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THE ALASKA ECONOMIC AND STATISTICAL REVIEW

Economic Analysis Section

Department of Commerce and
Economic Development

STATE OF ALASKA

THE ALASKA STATISTICAL REVIEW 1984

Economic Analysis Section

Department of Commerce and Economic Development

STATE OF ALASKA

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PREFACE

The Alaska Economic and Statistical Review: 1984 is a prelude to *The Alaska Economy, Year-End Performance Report*. Both of these publications have been longstanding functions of the Department of Commerce and Economic Development. With this statistical review these functions are reinitiated after a hiatus.

The Department of Commerce and Economic Development is responsible for the collection of a limited amount of the information presented here. However, the dissemination of economic, demographic and social statistics is a service requested of the Department on an ongoing basis, by the public, businesses and government agencies. The provision of this service could be performed most effectively by establishing a centralized information base for most commonly requested statistics. We believe that this publication serves such a purpose.

The 1984 Alaska Statistical Review could not have been accomplished without the contributions and assistance of many state and federal agencies. The published sources are acknowledged in the tables and in the bibliography. Here, the Economic Analysis Section staff would like to thank those individuals, who were especially helpful in supporting our efforts. The names, their organizational affiliation and work phone numbers are provided in the following list.

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INTRODUCTION

The Alaska Economic and Statistical Review necessarily is restricted to macro level information, pertaining mainly to the economy of the State of Alaska. While little information is provided at local municipal levels, regional or census area level information is provided for several data series. This restriction of scope is imposed by the lack of readily available consistent data, comparable across all localities.

Wherever possible, information is provided as annual time series going back to the early seventies so that a historical trend can be observed and compared to the pre trans-Alaska pipeline period. However, due to a lack of some historical data and time required to compile others, this rule could not be adopted uniformly. A more extensive and consistent undertaking will have to wait until a future edition of the Alaska Economic and Statistical Review, by which time the Department of Commerce and Economic Development plans to provide an Alaska economic data base on micro-computer diskettes.

The information contained in the Alaska Economic and Statistical Review can be grouped under four general economic units: the household (or consumer) sector, the business sectors, the international trade sector and the government sector. The statistical tables of this publication provide substantial information on the quantity and value flows between these sectors in the process of production and consumption of goods, and in the provision and use of services.

Sections A through D are related, but not exclusively, to the household sector and contain population, income, employment and consumer price related data. Retail trade sales receipts, most of which come from the Alaska households, appear in Section G.

Section E provides special information related to the operations of the Alaska State Government. For local Alaska governments and the federal government, as well as all other industry groups mentioned above, standard earnings and employment information are provided in sections B and C.

Section F provides general information on business establishments. Service sector industries (retail and wholesale trade, services, banking, insurance, utilities, transportation and housing) are covered in sections G through H, K, M and N. The natural resource based production sectors (agriculture, forestry, fishing, petroleum and minerals) are covered in sections I through K. Manufacturing, which operates mainly to export timber and fish products of Alaska, appears in Section G. Resource oriented industries and manufacturing are often referred to as basic, or sometimes export, sectors of the economy. Tourism, covered briefly in Section M, is also considered a basic sector industry.

Given the small population base and the large size of Alaska resources, most resource production (with the exception of agricultural products) leaves the state. The volume and value of Alaska export and import trade with other countries appears in Section L. Commodity flow between Alaska and the rest of the United States, however, is not readily available from any source, in spite of its significance to the state economy. For example, because of federal export restrictions, all North Slope crude oil produced in the state is transported to the lower 48. Similarly, because the Alaska manufacturing sector is small, most consumption items, equipment and intermediary industrial materials are transported to Alaska from the lower 48.

About the Data

Most of the information contained in this publication is extracted from statistics published by federal and state government agencies. Many of these agencies provide such information to the public and other government bodies by legislative mandate.

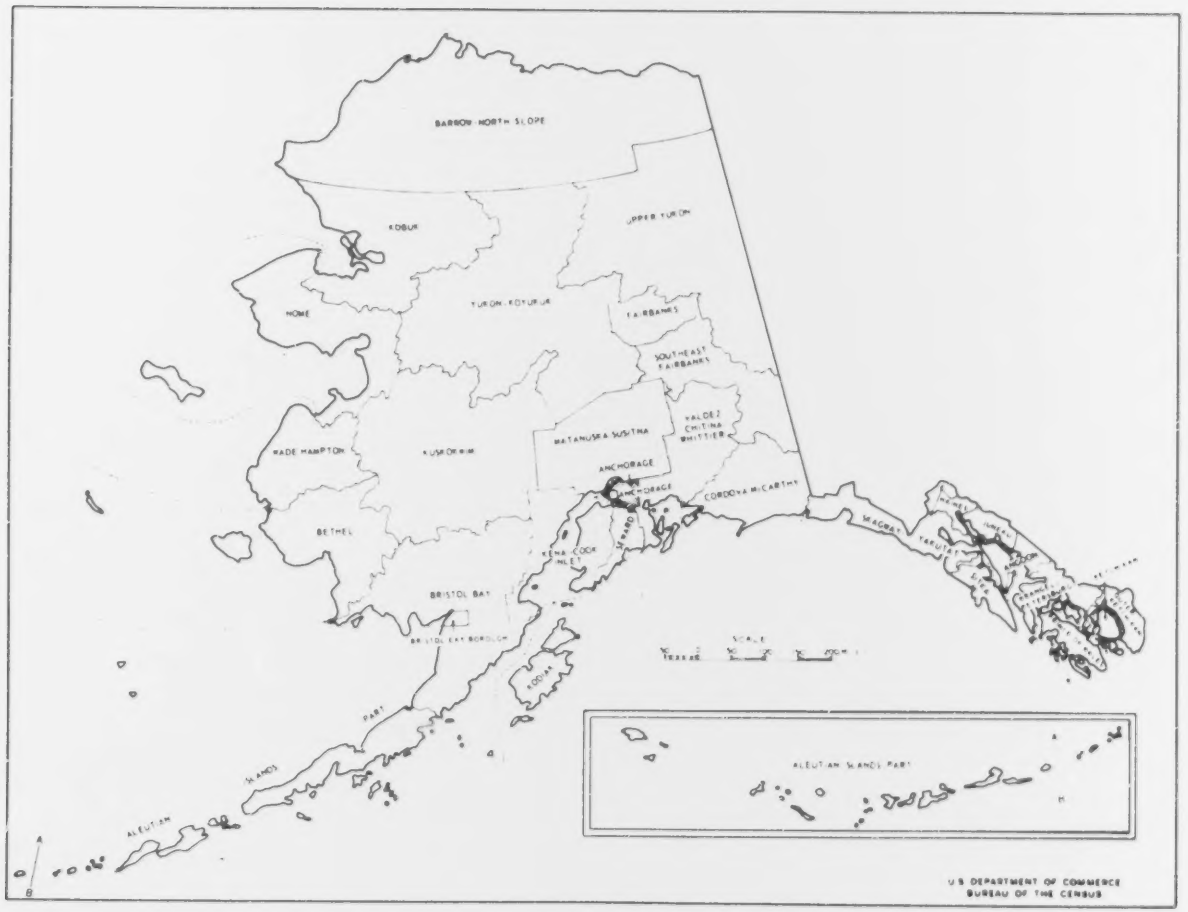
The Alaska Economic and Statistical Review draws on nearly forty different sources. The unique feature of the review is its ability to put information from these sources in a cohesive and easy to use format. If the reader is interested in further detail and more recent data, each table contains its source. In most cases, the contact person at the source institution appears in the List of Acknowledgements. The Alaska Department of Commerce and Economic Development (ADCED) also publishes Economic Indicators for Alaska, which contains economic time series data of monthly and quarterly frequency.

Considering the large number of independent sources used, there have been occasions where two sources which provide the same information differ on the magnitude of certain economic variables. As an example, both the Alaska Department of Labor (ADOL) and U.S. Department of Commerce (USDOC), Bureau of Economic Analysis (BEA) publish separate employment series by type of industry and by census area. Furthermore, periodic industry censuses conducted by USDOC also collect employment data, which can deviate considerably from those of other sources. Similarly, ADOL and BEA also make separate population projections. Thus, depending on which source is used, one can obtain a different estimate of, say, per capita personal income or wage and salary earnings per employee. The discrepancy between different data sources could probably be traced back to such reasons as statistical sampling error, use of different accounting periods, differences in estimation procedures. To learn more about how the original data were collected or estimated, the reader should consult the original publications of the source institutions.

ADOL is the primary source of employment and population series (sections C and A), and BEA is the source of personal and per capita income series (Section B) presented in this publication.

This publication uses several conventions. The notation "NA" is used whenever a piece of data was not available but was normally reported in other years or cases. When no earlier statistic was available, or when it does not apply to a certain place, a hyphen is used. In some of the pie chart graphics, statistics are reported by region. The census areas falling under a certain district are given alongside the map of census areas in the introduction section.

The State of Alaska Census Areas



Anchorage Mat-Su Region

- Anchorage
- Matanuska-Susitna

Gulf Coast Region

- Cordova
- Kenai
- Kodiak
- Seward
- Valdez

Interior Region

- Fairbanks
- Southeast Fairbanks
- Upper Yukon
- Yukon-Koyukuk

Northern Region

- Barrow North Slope
- Kobuk
- Nome

Southeast Region

- Angoon
- Haines
- Juneau
- Ketchikan
- Outer Ketchikan
- Prince of Wales
- Sitka
- Skagway
- Wrangell-Petersburg

Southwest Region

- Aleutian Islands
- Bethel
- Bristol Bay Borough
- Bristol Bay
- Kuskokwim
- Wade Hampton

AN OVERVIEW OF ALASKA'S ECONOMY

By Orhan M. Yildiz

A. Labor Force and Employment

In the last fifteen years, population in Alaska has grown at an average annual rate of 4 percent — several fold higher than the national average. In 1983, the state population grew at an unprecedented rate of 10.8 percent (Table A.2). Such high annual growth occurred once before in the history of Alaska in 1975 (10.3 percent). Today more than half a million people reside in the state.

The labor force constituted nearly half of the population in 1984, totaling about a quarter of a million people. In the same year an average of 10.6 percent of the labor force was unemployed (Table C.3). Although this unemployment rate is several percentage points above the U.S. rate, the Alaska labor market is a highly seasonal one. With increased construction, fishing and timber harvesting activities, employment increases considerably during the summer months. The presence of a high level of transient population is another characteristic of the Alaska labor market, which presumably aggrevates the unemployment rate.

The Alaska labor force is highly educated. The 1980 Population Census reported 83 percent of persons older than 24 as having had 12 years or more education. This compares to 67 percent for the U.S.

In the last decade, employment in Alaska grew at an average 5.0 percent annually (see Table 1 in this section). During this period Alaska's economy experienced two surges: the construction of the Trans-Alaska Pipeline System (TAPS) in the mid seventies and the increase in petroleum based government revenues in the early eighties. In 1975, employment increased by 26 percent and in 1981 by 19 percent. In 1984 the growth rate was 5.6 percent (Table 1 and Table C.2).

While the government sector (state, local and federal) is generally a significant force in the economies of most states, historically this is particularly true in Alaska. In 1983 government employment in Alaska, excluding federal military personnel, was 29 percent of total employment (Figure C.7).[1] In contrast, the average government sector employment in the United States was about 17.5 percent of total employment. In 1983 Alaska ranked first among all states in government employment, both on a percent of total and percapita bases.

The ratio of Alaska to U.S. sector employment, expressed as percent of total employment, is frequently referred to as the employment location-quotient, and is a useful comparative tool. A location-quotient value around one indicates a sector employment pattern similar to that of the U.S. average. A value much above or below one indicates a sector with significantly different percent employment than the U.S. average — above one indicating a relatively larger sector and below one indicating a relatively smaller sector. For example, the Alaska government sector location-quotient of 1.7 (29 percent divided by 17.5 percent) reflects the significantly large size of government employment in the state.[2]

Prior to the growth of the private business sector of the economy, the public sector accounted for an even larger portion of the state's employment. In 1974, the government sector accounted for 34 percent of total state employment (location-quotient of 1.9), 47 percent when federal military personnel are included.

It is interesting to note, however, that the local government employment pattern in Alaska diverges from its state and federal counterparts. In the early seventies, Alaska local governments employed fewer people than state government; yet, by 1984 there were nearly 50 percent more local government employees. While this may be the case, the percent employment of local governments has changed from being somewhat lower than that of the U.S. to being somewhat higher (its location-quotient increased from 0.9 in 1970 to 1.2 in 1984). Thus, Alaska has apparently kept close pace with the national trend of increasing employment at the local government level.

Figure C.7 in the employment section of the text provides percent employment in various industry groups of Alaska and the U.S. In 1983 percent employment in the mining, construction, transportation-communications-utilities and government industry groups were typically higher than their U.S. averages, while percent employment in the retail trade, finance-insurance-real estate and service industry groups were comparable to, albeit lower than, their U.S. averages. The smallest industry groups in Alaska, relative to the U.S., were manufacturing and wholesale trade. Figure C.8 facilitates comparison of industry group employment between Alaska and the U.S., via the employment location-quotient.

Although in numbers the mining industry employed about 9,000 people (Table C.2) in 1984, percent industry employment relative to the U.S. has been historically very high. This is due largely to the existence of rich mineral resources in Alaska. With the discovery of one of the largest crude oil fields of North America, Prudhoe Bay, the percent employment difference between Alaska and the U.S. in this industry has grown since the early seventies (the respective 1974 and 1983 location-quotients are 2.6 and 3.7). In the future, as more of the economically viable mineral resources, such as the zinc and lead rich Red Dog mine near Kotzebue, are developed, this difference will certainly increase.

In contrast, percent employment in the Alaska manufacturing industry has been historically low in comparison to the U.S. Manufacturing in Alaska has been concentrated around fish, lumber and log processing — again owing to the richness of natural marine and forest resources of the state. In these industries Alaska in fact has a relative edge against the rest of the U.S, even though recently they have experienced employment setbacks. It is the rest of the manufacturing industry which has seen little growth over the years.

Perhaps the most volatile of Alaska industries has been construction. During the TAPS construction period, employment in this industry nearly quadrupled within three years (between 1973 and 1976), declining back to a pre-1974 level in the succeeding three years. Then the industry saw a steady increase in employment until 1984, when a downturn was reported by ADOL, signaling the end of another high peak experienced in 1983. (Since 1973 the location-quotient of the construction industry fluctuated in succession from 1.3 to 3.9 to 1.2 to 2.2.) The recent surge in construction followed the increase in petroleum based government revenues, which dramatically influenced operating and capital expenditures of the state government (Section E). Consequently, the surge was spread evenly over building and heavy construction, responding to demands due to higher income, increasing population and the need for infrastructure development.

As in the case of the construction industry, pipeline construction and revenue increases of the state has benefited the financial institutions, particularly banks, and the insurance carriers of Alaska. After reaching high levels during the pipeline construction years, the growth of bank deposits and premiums written by insurance carriers declined until 1979, but turned up once more thereafter (Figures H.1 and H.2). Employment in the finance-insurance-real estate group of in-

dustries peaked in 1978, declined for the next two years and has been increasing steadily since 1980. Business and repair service industries, transportation industries and to some extent the wholesale trade industry were also affected by the construction of TAPS.

The industries which have seen steady growth in Alaska are the retail trade, passenger transportation, communications and utilities industries. Because these industries provide essential services to the household sector as well as to the business sector of the economy, they have benefited from the growing population base of Alaska. Most professional services, such as health, legal and social services have also experienced steady growth in employment.

In comparison to the transportation-communications-utilities group of industries, retail trade, services and finance-insurance-real estate industries have generally lagged behind the U.S. in employment as a percentage of the total. Among the latter group, however, the retail trade industry employment will soon reach the national average (1983 location-quotient of .93).

B. Personal Income

Alaskans earn higher incomes than their counterparts in the lower 48 in all sectors of the economy. On the average Alaskans earned 69 percent higher wages and salaries per employee (Figure B.5 and Table B.8). During the pipeline years wage and salary earnings per employee were as much as 2.3 times higher than that of the U.S average. Of course, much of that period's earnings accrued to nonresident workers.

A wide variation emerges in this Alaska-U.S. earnings comparison, however, when one looks at various sectors of the economy. The ratio of Alaska-U.S. wage and salary earnings per employee is highest in the construction industry (2.34) and lowest in manufacturing (1.13). The mining, and state and local government sectors follow construction, with respective ratios of 1.88 and 1.84. On the low side, just above manufacturing, is the finance-insurance-real estate group of industries (1.23).

In 1984, total personal income earned by Alaskans was $7.8 billion — on a per capita basis well above $17,000 per person (Table B.2). In 1983 Alaska ranked first in per capita disposable personal income, income after adjusting for taxes. It was 44 percent higher than the the U.S. average (Figure B.3 and Table B.6) and 26 percent higher than California, which had the highest per capita disposable income among the Farwest states.

The household income distribution reported in the 1980 Population Census highlights another significant difference between Alaska and the rest of the U.S. In 1979 15.7 percent of the Alaska households earned income above $50,000, whereas only 4.6 percent of all American households earned such high income. Also, fewer households earned income less than $10,000 in Alaska — 18.3 percent as opposed to 29.1 percent in the U.S. (Table B.1).

Personal income in Alaska followed the same pattern as employment, rising during the years of pipeline construction and high state revenue receipts, and declining in between (Figure B.1). In the last ten years total personal income, after adjusting for inflation, grew at an average 6.7 percent annual rate. In 1983 it grew by 8 percent, although per capita personal income almost stood still owing to an increase in population.

In keeping with income growth, personal and institutional wealth in Alaska also accumulated dramatically. The percentage of personal income earned from returns on investments, i.e. dividends, interest and rent, grew from 6.6 percent in 1970 to 12.2 percent in 1984 (Table B.2). Considerable contributions to dividend income have come from investment earnings of the Alaska Permanent Fund Program, part of which have been distributed to Alaskans annually since 1982, and from stock holdings in Native corporations by Native Alaskan residents. Since 1974,

dividends, interest and rent earnings in current dollars have grown at 19 percent average annual rate. This compares to 14 percent average annual growth in personal income in current dollars during the same period.

C. Household Consumption

Just as income in Alaska is high, so is the cost of living. For example, the main modes of travel in the state are by sea and air. Geographical size of the state and its remoteness to the lower 48 make personal and business travel expensive. Similarly, providing services, e.g. medical care, to remote areas of the state is also costlier, since in many cases the service is not available locally.

Since agriculture and manufacturing in the state are limited, most consumption items are shipped from outside, adding to their cost. Lack of competition, particularly in the rural areas and in locations with small population bases, also keeps prices of goods and services high. Nevertheless, in recent years the increase in Anchorage consumer prices has been lower than the national average (Figure D.2). Between 1971 and 1984 the Anchorage consumer price index, relative to the average U.S. consumer price index, decreased by 5 percent . Medical care is an exception to this trend of moderating prices; it rose at a higher rate than other prices and kept pace with the nationwide trend (Figure D.3).

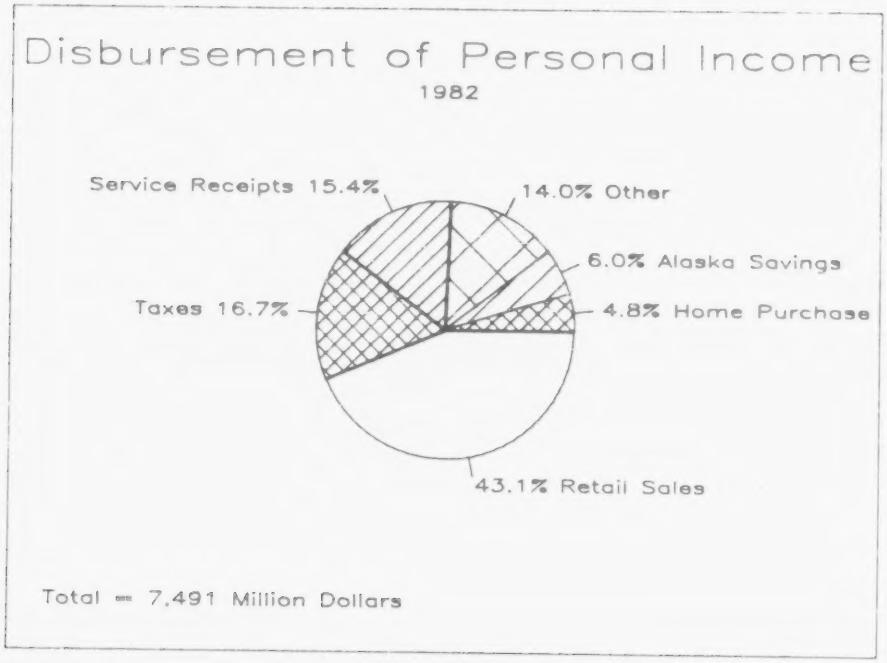
A recent housing market analysis, done at the beginning of 1985 in more than 140 cities across the nation, found that the price of a standard quality Anchorage house, in what was judged to be an above average to prime neighborhood, was 63 percent above the median price.[3] The $187,000 Anchorage price compares to $126,500 in Seattle, Washington, $192,500 in San Jose, California and $238,750 in New York City suburbs.

Alaskans spend their income in a variety of ways. Figure 1 provides the distribution of some of the components of personal income disbursements in 1982.

In 1982, personal income was $7,491 million, of which about 16.7 percent went to federal, state and local tax payments (Table B.2). The 1982 Census of retail trade and service industries, conducted by the U.S. Department of Commerce, provides sales and receipts data for Alaska (Table G.5). Using these figures, the retail goods consumption and service expenditures of Alaskans constituted respectively 43.1 and 15.4 percent of total personal income. An estimated 3 percent of retail trade sales were consumption items imported from other countries directly through the Anchorage customs district.

Expenditures on home purchases were obtained from the Alaska Housing Finance Corporation (AHFC) and have two components: total principal and interest payments in that year for all outstanding loans, and down payments for current home purchases. Alaskans spent 4.8 percent of their total personal income on home purchases in 1982.

Figure 1



The Alaska savings entry contained within the pie chart in Figure 1 is an estimate of savings in banks, savings and loans institutions, and credit unions operating in the state. This figure does not include investments out of current income made through brokerage firms and out-of-state financial institutions. It is also subject to additional error, because it fails to account for flows between banks, brokerage firms, out-of-state financial institutions, etc. Consequently, an increase in deposits in state banks may, for example, be due to transfers of funds from securities investments.

From individual reports of financial institutions which report to the Division of Banking, Securities, Small Loans and Corporations, the Alaska Department of Commerce and Economic Development, it was estimated that 6 percent of personal income (6.7 percent of disposable income) went into savings in Alaska financial institutions other than brokers.

In 1982 the *Survey of Current Business* published by the U.S. Department of Commerce reported that 1982 nationwide savings were 5.8 percent of disposable personal income. Therefore, even the partial savings estimate of 6.7 percent of disposable income indicates a higher propensity to save by Alaskans. Given the higher income earnings of individuals in the state, this result is to be expected and is supported by a survey conducted in the state to find how Alaskans spent their 1982-1983 Permanent Fund Dividend checks. This survey has indicated that between 15 to 25 percent of dividend income was saved.[4] Of course, since the dividend is additional, or marginal, income and does not represent a permanent income increase, a much higher proportion of it was saved.

The remaining 14 percent of personal income represents out-of-state consumption and savings, and other in-state consumption expenditures — such as residential rents and utility bills (of which residential electricity was 1.3 percent of personal income (Table K.10)).

D. Industry Production and Exports

Of Alaska's industries the oil and gas industry dominates the value-added production of the state. Next in importance is the fishing industry.

In 1984 the oil industry produced $10,675 million of crude petroleum and natural gas (Table K.3), mostly from the North Slope Prudoe Bay field. Total crude oil production in the state from existing fields is still on the rise but expected to reach its peak in 1987.[5] Meanwhile, weak world demand for crude oil has caused the production value to decline since 1981 (Figure K.2).

The oil and gas industry pays severance taxes (12.25 percent of the value for the first five years and 15 percent thereafter plus $.60 per barrel), property taxes (20 mills on the actual value of the property), royalties, rents and corporate income tax to the State of Alaska.[6] In 1984 petroleum based state government revenues were $2,862 million — 78 percent of general fund revenues (Figure E.2).

In addition, the industry paid more than $400 million in wages and salaries (Table B.5), and spent about $900 million on oil and gas exploration leases, mostly on federal lands (Table K.4). It is claimed that since the discovery of the Prudhoe Bay oil the industry has invested on the average about one billion dollars annually in the state.

While the crude oil produced in the North Slope can not be exported, there are no such restrictions on natural gas. In 1984, natural gas and products derived from it (ammonia and urea) made up 37 percent of all Alaska exports (Table L.2). Most natural gas produced in Alaska is either locally consumed or reinjected back into oil wells.

Natural gas provides a relatively low-cost source of energy for certain Railbelt residents and businesses of Alaska. In 1983, 60 percent of power generation by Alaska utility companies used natural gas. That year the total revenues earned by the utility companies was $264 million (Table K.10). There are also three refineries in Alaska, which satisfy around 75 percent of gasoline, diesel and jet fuel consumption in the state.[7]

A dramatic strengthening of salmon runs in the mid-seventies brought new vitality to the Alaska fishing industry. Since 1977 the salmon catch more than doubled, reaching new highs in 1983. Although this increase in supply, and the concurrent increase in world supplies of salmon, caused decrease in prices, the fishermen's revenues have increased. The shellfish industry, in contrast, has recently experienced a setback with the decline of Alaska king crab and shrimp stocks.

The priority of the U.S. industry to harvest within the 200 mile Fisheries Conservation Zone, which became effective in 1977, has increased the future prospects, especially in the domestic U.S. market, of the Alaska groundfish industry. While the price per pound of groundfish is much lower than that of salmon, the richness of the resource and the potential for value-added products -- e.g. surimi, fish paste made from pollock and used as a base for manufactured products, such as imitation crab legs — is beginning to capture the attention of the U.S. food industry.

In 1983, revenues to fishermen from the fish catch sold in Alaska totaled $515 million (Figure J.1). In the same year the wholesale value of fish production was $1,106 million (Figure J.2). Over the side sales of catch to foreign processing vessels and fish products exported directly from Alaska amounted to $330 million in 1983 (Table L.2). The remainder of processed products were either consumed in the U.S. or exported through the customs districts in lower 48, chiefly Seattle.

The 1983 direct salmon exports from Alaska were up by 5 percent from 1982, although the total direct seafoood exports declined by 6 percent. In 1984, all direct seafood exports, including salmon, declined further by 14 percent. Since the export of Alaska seafood products to foreign countries occur to a large extent through lower 48, however, these numbers do not necessarily imply a decline in the overall exports from the state.

The third largest production sector of the economy is the forest industry. Lands from which timber is harvested are divided into two distinct categories; one, privately owned by Native corporations under the 1971 Native Claims Settlement Act, and the other, publicly owned and managed federal, state and borough lands. Timber harvest from the latter lands is carried through short and long-term sales offered by public agencies.

The forest products of Alaska are also divided somewhat along the same line as land ownership. By federal law, timber harvested from federal lands (approximately 87 percent of all timber harvested on public lands) can not be exported without processing. Consequently, while processors dependent on federal lands produce roughly sawn lumber, pulp and chips, the Native corporations primarily produce round logs, which find more buyers in Japan, in response to current market conditions. Given that the Alaska forest products industry is almost entirely dependent on the Japanese market, the processing requirement has had considerable effect on some sections of the forest industry, as it limits responsiveness to varying market conditions. Finally, pulp mills provide a market for wood chips and for lower quality timber from both public and private lands. A market for this so called "utility" wood is critical to all operators.

Both the forest products and fish processing industries of Alaska have the important characteristic of being export oriented, with a significant linkage to the Japanese economy. In the export markets, as well as the domestic U.S. market, these industries compete with Canada, the states of Washington and Oregon and the U.S.S.R., which produce similar manufactures. In 1984 Alaska supplied 12 percent of logs, 9 percent of lumber and .5 percent of wood chips of Japan's import volume from the North American sources — British Columbia, Washington, Oregon and Alaska.[8] Major suppliers of logs and wood chips were Washington and Oregon, and the major supplier of lumber was British Columbia.

In 1984, the value of the forest products export of Alaska was $219 million, or 21 percent of all exports. By value, 42 percent was log exports, 15 percent lumber, and the rest pulp and wood chips (Table L.2). Since 1980, the export of forest products declined at an overall 10 percent average annual rate — 21 percent for lumber, which was partially offset by increases in log exports. As a result of competition from other countries and the strong U.S. dollar, Japanese imports from Washington and Oregon also declined in 1984. Log exports of British Columbia and lumber exports of the U.S.S.R. to Japan, on the other hand, increased in the same year.[8]

The decline in Alaska exports in recent years has cut across all product types (Figure L.1). An important contributor to this has been the increasing strength of the dollar against all major currencies of the world since 1980 (Figure L.5). This certainly affects the competitive capability of Alaska industries against other countries.

Figure G.1 and Table G.2 compare various manufacturing industries common to Alaska, Washington and Oregon. In 1982 the Census of Manufactures found that Alaska had the highest value-added per production worker hour of these three states. (In food processing, however, Alaska had the lowest.) The cost of materials, expressed as percent of the value of shipments, was highest in Alaska. (In lumber and wood products, Alaska actually had the lowest cost of materials.) These statistics shed some light on our competitive standing against other states.

The agriculture industry of Alaska produces a variety of products, mostly in the Matanuska and Tanana valleys. Among these are feed crops — such as barley, vegetables (mostly potatoes), and livestock products. In 1983 egg production in the state nearly doubled. In 1983 the value of Alaska agricultural production was $18 million (Table I.2).

The mining industry of Alaska has produced more than $200 million of metals and industrial minerals in 1984 (Table K.3). Sand and gravel constitute 48 percent, gold 32 percent and coal 12 percent of the value of production (Figure K.4). This industry has a potential to see significant growth in the future, owing to some large proven mineral resources, which, if exploited on a large scale, would prove very cost effective.

Although tourism is not a production industry, in terms of revenues generated and jobs created it is a very important sector of the economy. An Alaska traveler survey conducted for the Division of Tourism, Alaska Department of Commerce and Economic Development, has found that nearly 650,000 individuals visited Alaska in 1983.[9] On the average these visitors left in Alaska somewhere between $640 and $1,040 per person, excluding travel expenses to and from the state. As an overly conservative estimate, this amounts to more than $400 million in revenues to the businesses of Alaska — such as tour and cruise companies, hotels and lodgings, souvenir shops, restaurants, and transportation related businesses.

E. Structure of the Economy

The economic review of Alaska started with a comparison of sector employment and earnings with the U.S. While such a comparison highlights the sectors which are unique to Alaska, growth patterns of sectors over time provide insight into the changing characteristics of the Alaska economy.

From 1975 to 1983 total wage and salary earnings grew at a 14.6 percent average annual rate, 6 percent in real terms (see Table 1 in this section).[10] Among the sectors of the economy mining, construction (especially heavy construction), finance-insurance-real estate (FIRE) and service industries experienced above average growth. In 1983 annual earnings growth was 10.6 percent, and construction and FIRE industries grew at twice this rate.

From 1975 to 1983 total employment grew at an average annual rate of 4.9 percent (6 percent when military employment is excluded). The strongest growth industries were mining, construction, FIRE, Service and Trade (retail and wholesale) industries. 1984 employment growth was also 5 percent, with FIRE, service, trade and mining industries growing faster than average.

A scale described in footnote 11 indicates, however, that the structure of the economy has not changed significantly since 1970. The scale compares the share of earnings and employment among the sectors of the economy separately and in both cases shows only a gradual change from 1970 to 1983. As very little diversification occurred in the economy since the discovery of crude petroleum in the state, this finding should not come as a surprise. Nevertheless, beyond this overall assessment of the economic structure, it is still possible to find some important changes.

The dramatic increase in per capita personal income in the state has increased the well-being of Alaskans considerably. In response to the demand created by the higher standard of living, industries which provide services to households and businesses, and those that develop the infrastructure, through which service are provided more effectively, have seen modest growth. Today, Alaskans save, as well as consume, more. Consequently, the financial institutions, along with retail trade and service industries, grew at a rapid pace.

Table 1

Sectoral Growth in Alaska

	Percent Growth		
	Average Annual: 1975-1983		1984
	Earnings	Employment	Employment
Mining	25.6	12.7	6.0
Construction	23.2	9.6	-1.0
Manufacturing	10.6	2.9	-8.2
TCU a/	15.7	5.0	2.2
Trade	15.6	8.2	6.4
Retail	15.1	8.1	5.9
Wholesale	16.9	9.0	7.5
FIRE b/	19.9	9.4	16.0
Service	19.7	8.6	11.1
Government	10.8	2.2	4.0
State & Local	14.7	6.4	7.0
Total	14.6	4.9	5.0
Total Current Dollars	6.0	-	-
Total Less Military	15.5	6.0	5.6
Service Sectors	16.6	7.3	6.6

a/ Transportation, Communications, Utilities.
b/ Finance, Insurance, Real Estate.

Sources: Tables B.4 and C.2.

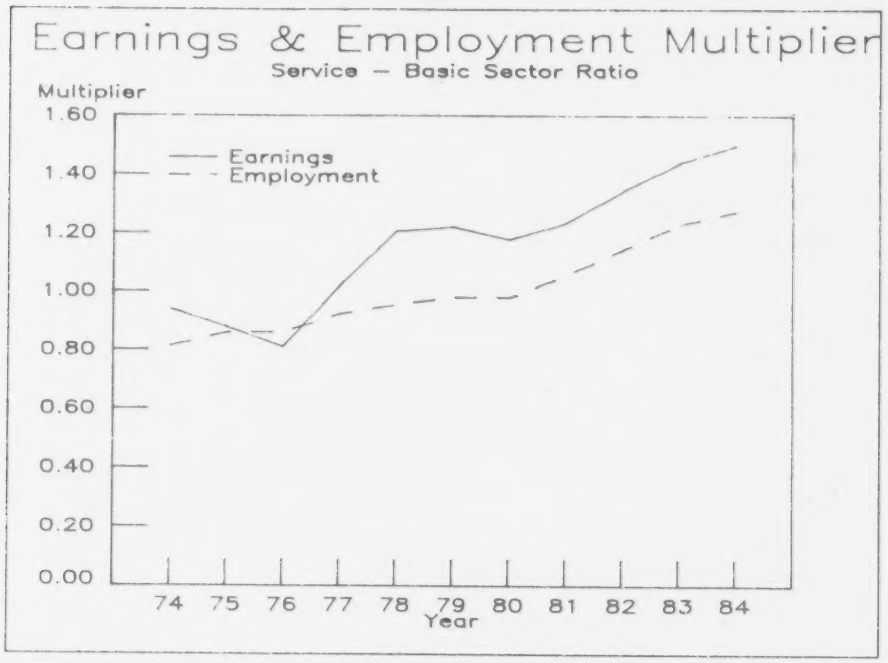
The economic development of the state necessarily depends on basic industries, which export those goods in which the economy has relative productive advantage over other regions. As basic industries grow and as wealth accumulates through exportation, so do industries which provide services to basic industries and respond to increasing consumer demand.

Figure 2 illustrates the aggregate relative size and growth of the service sectors in comparison to the basic sectors of the economy. The service-basic sector earnings multiplier is the dollar amount earned by the service sectors for every dollar earned in the basic sectors. The employment multiplier is defined in a similar manner.

The basic sectors are defined to include mining, food and kindred products manufacturing (mostly fish processing), lumber and wood products manufacturing, agriculture, pipeline construction and the government sector. Federal government, civilian and military, is included in the government sector, since its growth is determined by factors external to the state's economy. Although the tourism industry is also largely dependent on external economic factors, for simplicity it is retained among the service industries. The analysis of Figure 2, therefore, overestimates the size of the service sector, and hence the service-basic multipliers. The service sectors comprise the transportation, communications, utilities, construction (other than pipeline), retail and wholesale trade, service, finance, insurance, real estate and nonexport manufacturing industries.

As the 1984 service-basic earnings multiplier of 1.5 indicates, for every dollar earned in the basic sectors approximately $1.5 was earned in the service sectors — resulting in a total of $2.5 earnings (total earnings multiplier). In 1974, the service-basic earnings multiplier was 0.93. Because of a rapid increase in pipeline construction, which overwhelmed the growth in the service sectors, the multiplier declined until 1976. Between 1976 and 1979 basic sector earnings

Figure 2



declined sharply, as the pipeline completion neared. Although growth in the service sectors slowed during the same period, it was still well above the basic sectors' growth. After a brief slow period, service sectors grew with new vigor in the first half of the eighties, responding to oil revenue driven growth in the basic sectors.

The 1984 service-basic employment multiplier of 1.27 compares to the 1974 multiplier of 0.81. Thus, one job in the basic sector resulted in a total of 2.27 jobs in 1984. Between 1974 and 1984 employment in the service sectors grew steadily at a rate faster than in the basic sectors. Growth in the first half of the eighties was even faster, with signs of some recent slowing down, mainly in the construction industry.

It is hard to say what the proper balance between service and basic sectors should be; it probably depends on the composition of the economy and the standard of living. As Figure 2 indicates, while employment in the service sectors is still in a process of growth, earnings in these sectors is rather responsive to earnings in the basic sectors. Therefore, if the government revenues, hence the expenditures, decline in response to decreasing world crude petroleum prices, the income earnings of Alaskans will also decline, resulting in less business demand for the service sector industries.

Alaska's resource based economy depends strongly on the international markets for those resources. The state government revenues and expenditures, are directly, and in the absence of safeguards rather abruptly, affected by the fluctuations in the world crude oil prices. For its other resources, Alaska has historically relied on few export markets, mainly Japan. Today, there is growing interest to develop new markets for Alaska's resources in the Pacific rim countries. Similarly, foreign investors frequently express interest to develop the known rich resources of the state. Hence, Alaska will maintain her international ties in the future, and most certainly will benefit from economic strengthening of the developed western economies.

Footnotes

1 When the federal military personnel is included this proportion reaches 37 percent. In 1983 federal military personnel was 27,300 people (as reported by the Bureau of Economic Analysis, U.S. Department of Commerce).

2 Federal military personnel was excluded from the computation of the employment location quotient.

3 The standard property was a 2,000 sq. ft., 3 bedroom, 2 bathroom home, with a dining area, family room, 2-car garage and basement. Coldwell Banker Residential Real Estate, January 1985 market analysis.

4 The Alaska Permanent Fund Dividend Program Economic Effects and Public Attitudes; Gunnar Knapp, et al.; Institute of Social and Economic Research, 1984.

5 Petroleum Production Revenue Forecast Quarterly Report, Alaska Department of Revenue, Petroleum Revenue Division, March 1985.

6 Revenue Sources FY 1984-87, Alaska Department of Revenue, January 1985.

7 Fuel Consumption and Pricing in Alaska: A Regional Analysis, Gretchen Keiser and David Teal, Alaska State Legislature, House Research Agency, January 1984.

8 Timber Supply and Demand, Joseph R. Mehrkens, USDA Forest Service, Alaska Region, 1985 (Draft).

9 Alaska Traveler Survey and Visitor Industry Analysis 1983, Alaska Department of Commerce and Economic Development, Division of Tourism, 1984.

10 Earnings deflated by the Anchorage Consumer Price Index.

11 Let a(i) represent the relative employment (earnings) share of sector i in 1970 and b(i) in 1983. Then the scale in question is computed as follows.

$$S = \text{Sum}(a(i) \cdot b(i)) / \left(\sqrt{\text{Sum}(a(i) \cdot a(i))} \cdot \sqrt{\text{Sum}(b(i) \cdot b(i))} \right)$$

where the sum is over all major sectors of the economy.

"S" is the cosine of the angle between two vectors. Hence, when "S" is zero the two vectors are orthogonal to one another, indicating a complete change in the relative share of employment (earnings) between 1970 and 1983. Using mining, construction manufacturing, transportation-communications-utilites, trade, finance-insurance-real estate and government as the major sectors of the economy, "S" was found to be 0.96 for earnings and 0.95 for employment, which indicates that the structure of the economy remained similar between 1970 and 1983.

A. POPULATION

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Figure A.2 Population Change Components in Alaska
Figure A.3 Alaska Population by Region
Figure A.4 1984 Alaska Population: Age Distribution

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Table A.6 Age Distribution of Alaska's Population
Table A.7 Fall Quarter Enrollments of Alaska Elementary and Secondary Students
Table A.8 Average Annual Enrollments in Alaska Colleges, Universities and Community Colleges

Figure A.1

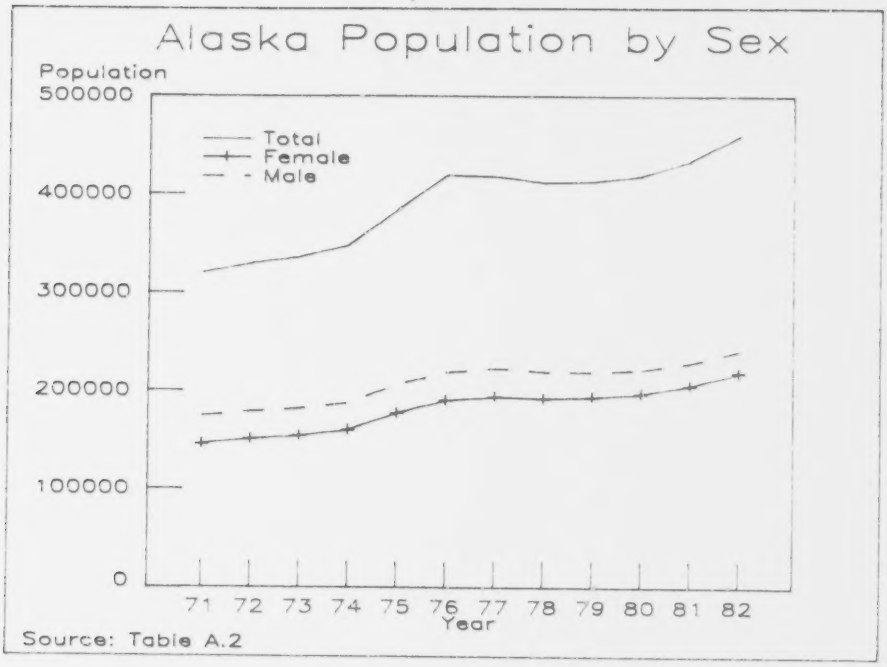


Figure A.2

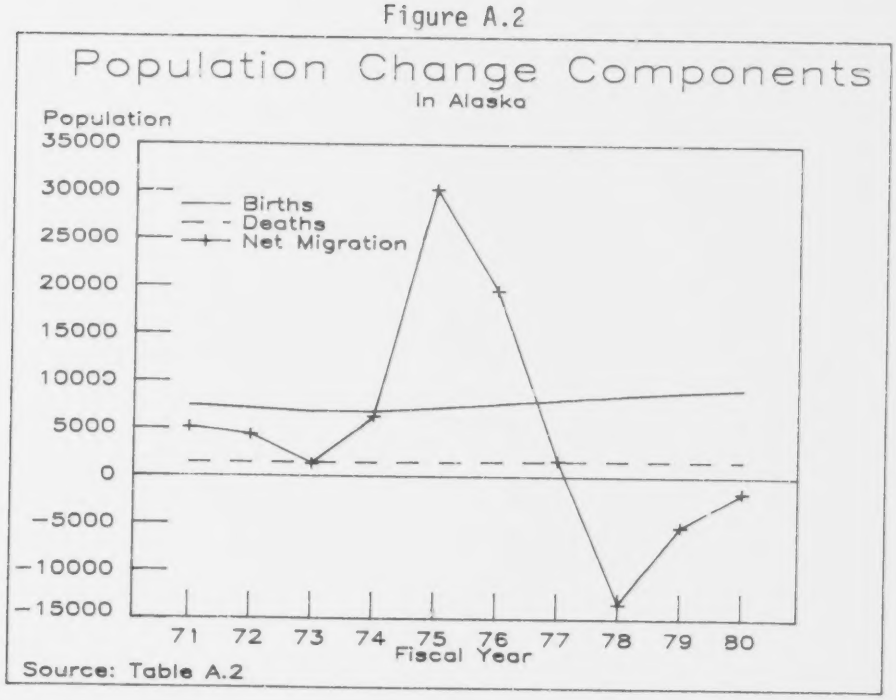
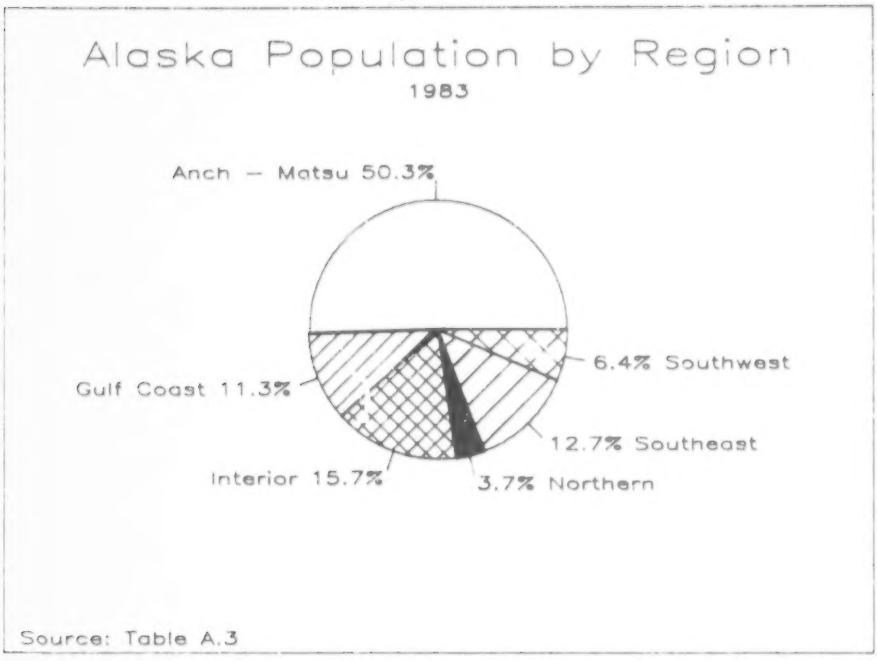
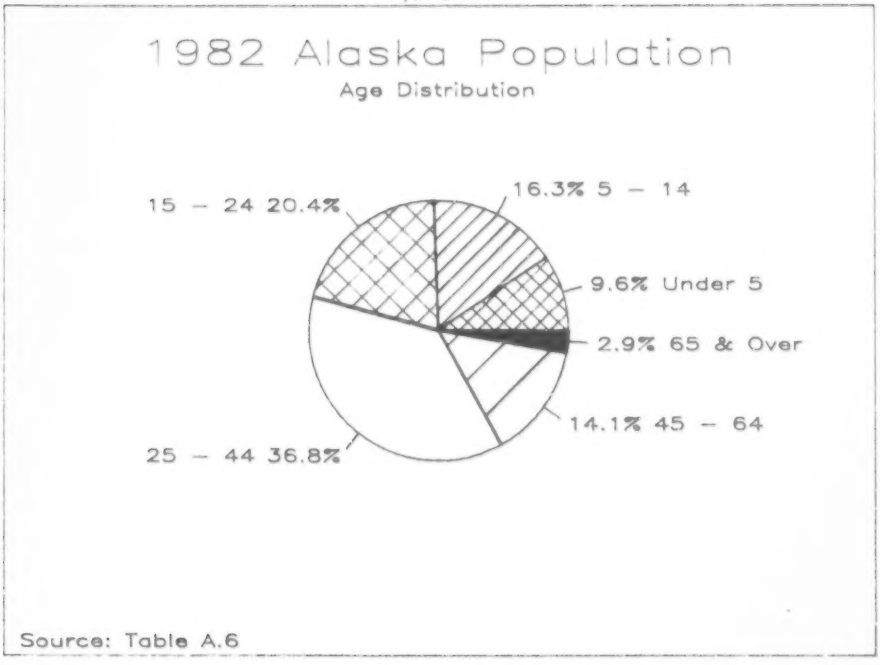


Figure A.3



Source: Table A.3

Figure A.4



Source: Table A.6

Table A.1

Population Characteristics by Census Area
1980 Census

Census Area	Total Persons	% Change 1970-1980	Percent Born in State	Urban Pop. (%)	Race Composition (%)				Age Composition (%)			
					Native	White	Black	Other	5 & Under	5 to 17 yrs.	18 to 64 yrs.	65 & Over
Aleutian Islands	7,768	-.8	27.7	42.7	24.82	62.91	4.21	8.06	8.1	16.7	73.8	1.4
Anchorage	174,431	38.0	22.2	97.6	5.17	85.86	5.38	3.59	9.4	22.0	66.6	2.0
Bethel	10,999	23.3	83.1	32.5	84.31	14.56	.47	.66	11.6	29.8	54.7	3.9
Bristol Bay	1,094	-4.6	40.4	-	32.91	59.96	4.20	2.93	5.2	16.7	75.8	2.3
Dillingham	4,616	19.2	77.4	-	76.32	22.96	-	.72	9.7	28.8	57.8	3.7
Fairbanks North Star	53,983	17.7	23.8	59.1	5.61	85.81	5.63	2.95	10.1	20.9	66.6	2.4
Haines	1,680	19.9	27.6	-	12.74	85.36	.54	1.36	8.2	25.0	62.2	4.6
Juneau	19,528	44.1	33.2	100.0	11.21	85.51	.42	2.86	8.6	21.7	65.8	3.9
Kenai Peninsula	25,282	52.4	27.8	17.1	6.73	91.69	.37	1.21	9.7	24.4	62.6	3.3
Ketchikan Gateway	11,316	12.7	34.9	63.6	12.42	84.62	.25	2.71	8.8	22.3	63.2	5.7
Kobuk	4,831	19.3	86.0	-	85.28	14.41	.10	.21	11.8	30.1	52.9	5.2
Kodiak Island	9,939	5.6	34.1	47.9	18.96	71.54	.90	8.60	9.9	20.8	66.7	2.6
Matanuska-Susitna	17,816	173.7	29.3	-	4.22	94.70	.29	.79	10.2	25.9	59.8	4.1
Nome	6,537	13.7	81.9	-	79.38	19.98	.24	.40	11.2	27.7	55.9	5.2
North Slope	4,199	31.7	75.6	-	76.80	21.81	.33	1.06	9.9	25.0	61.6	3.5
Prince of Wales	3,822	1.1	47.0	-	43.20	54.16	1.05	1.59	10.3	24.8	60.9	4.0
Sitka	7,803	28.5	40.7	100.0	21.39	74.79	.38	3.44	10.2	22.8	62.4	4.6
Skagway-Yakutat-Angoon	3,478	24.6	56.2	-	42.04	56.30	-	1.66	11.0	23.8	59.7	5.5
Southeast Fairbanks	5,676	31.8	22.8	-	12.77	79.19	5.16	2.88	11.2	24.1	62.2	2.5
Valdez-Cordova	8,348	67.7	30.1	36.9	12.70	84.94	.44	.92	8.8	22.2	65.5	3.5
Wade-Hampton	4,665	19.1	94.3	-	94.75	5.14	-	.11	12.0	33.3	50.9	3.8
Wrangell-Petersburg	6,167	25.3	42.2	45.7	19.30	78.35	.10	2.25	9.5	22.3	62.5	5.7
Yukon-Koyukuk	7,873	11.8	60.4	-	55.46	42.69	1.28	.57	10.0	24.9	61.2	3.9
ALASKA	401,851	32.8	32.0	64.3	16.02	77.63	3.42	2.93	9.7	22.8	64.6	2.9
U.S.	226,545,805	11.4	63.9	73.7	.68	83.44	11.69	4.19	7.2	20.9	71.9	11.3

Source: County and City Data Book 1983, Bureau of the Census.

Table A.2

Population Profile of Alaska: 1971-1983

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Alaska Total: (July 1, Estimate)	319,600	329,800	336,400	348,100	384,100	409,800	418,000	411,600	413,700	419,700	435,200	460,800	510,550
Civilian	289,681	301,893	309,354	322,971	358,828	385,261	393,016	388,499	390,377	396,993	412,749	438,697	488,339
Military	29,919	27,907	27,046	25,529	25,272	24,539	24,984	23,101	23,323	22,707	22,451	22,103	22,261
Sex Breakdown:													
Female	145,540	150,780	154,340	160,320	177,520	190,680	194,640	192,480	194,190	197,730	206,030	219,160	NA
Male	174,060	179,020	182,060	187,780	206,580	219,120	223,360	219,120	219,510	221,970	229,170	241,640	NA
Age Breakdown:													
Under 5 years	33,570	34,360	34,720	35,640	38,800	41,120	41,600	40,610	40,510	40,790	41,980	44,075	NA
5 to 14 years	72,640	72,690	71,890	72,160	76,950	79,570	78,790	75,330	73,510	72,390	72,860	74,830	NA
15 to 64 years	205,890	214,840	221,540	231,920	258,700	278,700	286,650	284,470	288,050	294,370	307,420	327,975	NA
65 years and over	7,500	7,910	8,250	8,730	9,570	10,410	10,960	11,190	11,630	12,150	12,940	13,920	NA
Components of Change: (June 30th of previous year to July 1st of current year)													
Births	7,435	7,126	6,776	6,831	7,260	7,691	8,142	8,606	8,983	9,309	9,786	10,714	11,713
Deaths	1,443	1,461	1,466	1,466	1,495	1,570	1,611	1,650	1,649	1,645	1,698	1,754	1,850
Natural Increase	5,992	5,665	5,310	5,365	5,765	6,122	6,532	6,956	7,334	7,664	8,088	8,960	9,863
Net Migrants a/	5,108	4,535	1,290	6,336	30,235	19,579	1,669	-13,356	-5,234	-1,664	7,413	16,641	39,888
Popln. Growth Rate (%)	3.6	3.2	2.0	3.5	10.3	6.7	2.0	-1.5	0.5	1.5	3.7	5.9	10.8

a/ Net Migrants equals population growth net of natural population increase, i.e., births less deaths.

Sources: Population numbers are from the Alaska Population Overview, Alaska Department of Labor, 1982 & 1983.
Births and deaths numbers are from the Alaska Department of Health and Social Services.

Table A.3

Resident Population of Alaska by Census Areas: 1971-1983

Census Area	1971	1972	1973	1974 a/	1975	1976	1977	1978	1979	1980	1981	1982	1983
						(July 1 estimates)							
Alaska Totals	319,600	329,800	336,400	348,100	384,100	409,800	418,000	411,600	413,700	419,700	435,200	460,800	510,600
Aleutian Islands	7,900	7,800	7,700	7,800	7,900	7,900	7,900	8,000	8,000	8,100	8,300	8,500	8,500
Anchorage	136,500	144,000	146,100	151,000	173,600	187,400	189,700	183,600	180,200	179,000	184,700	200,500	227,100
Bethel	9,200	9,400	9,600	9,800	10,000	10,200	10,400	10,500	10,700	11,000	11,100	11,300	12,200
Bristol Bay	1,100	1,100	1,200	1,300	1,200	1,200	1,200	1,100	1,100	1,200	1,200	1,300	1,300
Dillingham	4,000	4,100	4,100	4,200	4,300	4,400	4,500	4,500	4,600	4,700	4,700	4,700	5,600
Fairbanks North Star	47,600	47,800	48,800	52,000	56,700	61,500	62,100	58,200	57,700	57,800	58,300	59,200	64,800
Haines	1,400	1,500	1,500	1,500	1,500	1,600	1,600	1,700	1,700	1,700	1,800	1,900	1,900
Juneau	14,600	15,200	15,700	16,100	16,400	17,000	17,500	18,000	18,900	19,800	21,100	22,000	25,900
Kenai Peninsula	17,200	17,700	18,400	19,200	21,300	22,500	23,900	24,500	25,800	27,600	29,500	32,500	34,900
Ketchikan Gateway	10,200	10,300	10,500	10,700	10,900	11,200	11,400	11,600	11,800	12,000	12,200	12,400	12,700
Kobuk	4,200	4,300	4,400	4,500	4,600	4,700	4,800	4,700	4,800	4,900	5,000	5,100	5,800
Kodiak Island	9,700	9,200	9,300	9,500	9,700	9,900	10,100	10,300	10,600	11,000	11,700	12,700	12,900
Matanuska-Susitna	7,200	7,800	8,500	9,400	11,100	13,500	15,500	16,700	18,400	20,200	23,300	25,200	29,800
Nome	5,900	6,000	6,100	6,200	6,300	6,400	6,500	6,500	6,700	6,900	7,300	7,500	7,700
North Slope	3,600	3,700	3,800	3,900	4,000	4,200	4,400	4,400	4,500	4,600	4,700	4,800	5,200
Prince of Wales	4,000	4,000	4,100	4,200	4,300	4,300	4,100	4,100	4,200	4,300	4,400	4,400	5,300
Sitka	6,100	6,300	6,500	6,700	6,900	7,100	7,400	7,600	7,700	7,800	8,000	8,200	8,200
Skagway-Yakutat-Angoon	2,900	2,900	2,900	2,900	2,900	3,000	3,100	3,200	3,300	3,400	3,500	3,600	3,700
Southeast Fairbanks	5,000	5,200	5,300	5,300	5,400	5,500	5,600	5,700	5,800	5,900	6,000	6,100	6,500
Valdez-Cordova	5,200	5,300	5,400	5,500	8,000	8,900	8,500	8,700	8,900	9,100	9,300	9,500	9,700
Wade-Hampton	4,000	4,000	4,100	4,200	4,300	4,400	4,500	4,500	4,600	4,700	4,800	4,800	5,300
Wrangell-Petersburg	5,000	5,100	5,200	5,300	5,400	5,500	5,700	5,900	6,100	6,300	6,500	6,700	6,900
Yukon Koyukuk	7,100	7,100	7,200	7,300	7,400	7,500	7,600	7,600	7,600	7,700	7,800	7,900	8,700

a/ Alaska Population Overview 1982 numbers may not sum to total due to rounding error.

Source: Alaska Population Overview, Alaska Department of Labor, 1982 & 1983.

Table A.4

Components of Population Change by Census Areas: 1980-1983 a/

Census Area	April 1 1980 Census	July 1 1983 Estimate	1980-1983 Change Total	1980-1983 Change Average Annual (%)	1980-1983 Components of Change Total Births	Total Deaths	Total Net Migrants	Average Annual (%) Births	Average Annual (%) Deaths	Average Annual (%) Net Mig.
Alaska Total	401,851	510,554	108,703	7.33	34,343	5,721	80,061	2.38	0.39	5.40
Aleutian Islands	7,768	8,496	728	2.75	559	103	272	2.12	0.39	1.03
Anchorage	174,431	227,040	52,609	8.06	14,260	1,941	40,290	2.19	0.30	6.18
Bethel	10,999	12,232	1,233	3.27	1,064	187	356	2.82	0.50	0.94
Bristol Bay	1,094	1,275	181	4.70	71	21	131	1.84	0.54	3.40
Dillingham	4,616	5,623	1,007	6.05	439	96	664	2.64	0.58	3.99
Fairbanks North Star	53,983	64,810	10,827	5.61	5,072	701	6,456	2.63	0.36	3.34
Haines	1,680	1,915	235	4.02	121	23	137	2.08	0.39	2.34
Juneau	19,528	25,964	6,436	8.71	1,487	291	5,240	2.01	0.39	7.09
Kenai Peninsula	25,282	34,890	9,608	9.83	2,324	387	7,671	2.38	0.40	7.85
Ketchikan Gateway	11,316	12,712	1,396	3.58	860	247	783	2.20	0.63	2.01
Kobuk	4,831	5,759	928	5.39	502	125	552	2.92	0.73	3.20
Kodiak Island	9,939	12,896	2,957	7.97	911	155	2,201	2.45	0.42	5.93
Matanuska-Susitna	17,816	29,849	12,033	15.54	1,613	294	10,714	2.08	0.38	13.83
Nome	6,537	7,661	1,124	4.87	647	192	669	2.80	0.83	2.90
North Slope	4,199	5,168	969	6.37	435	88	622	2.86	0.58	4.09
Prince of Wales	3,622	5,293	1,471	9.93	326	63	1,209	2.20	0.43	8.16
Sitka	7,803	8,194	391	1.5	631	121	-119	2.43	0.47	-0.46
Skagway-Yakutat-Angoon	3,478	3,711	233	1.99	253	95	75	2.16	0.81	0.64
Southeast Fairbanks	5,676	6,516	840	4.24	513	64	391	2.59	0.32	1.97
Valdez-Cordova	8,348	9,722	1,374	4.68	625	154	903	2.13	0.52	3.08
Wade-Hampton	4,665	5,294	629	3.89	468	71	232	2.98	0.44	1.43
Wrangell-Petersburg	6,167	6,869	702	3.31	464	133	371	2.19	0.63	1.75
Yukon Koyukuk	7,873	8,635	762	2.84	700	172	234	2.61	0.64	0.87

Note: Data are subject to rounding error.

a/ Due to discrepencies between the Alaska population census and the Alaska department of labor (DOL) population estimates components of population change in this table do not match those in Table A.2, which is based solely on DOL estimates.

Sources: Alaska Planning Information, Alaska Department of Labor, 1985.

Table A.5

Components of Population Change by Census Areas: 1970-1980

Census Area	April 1 1970 Census	April 1 1980 Census	1970-1980 Change Total	1970-1980 Change Average Annual (%)	1970-1980 Components of Change Total Births	Total Deaths	Total Net Migrants	Average Annual (%) Births	Average Annual (%) Deaths	Average Annual (%) Net Mig.
Aleutian Islands	7,834	7,768	-66	-0.08	1,390	230	-1,226	1.62	0.26	-1.45
Anchorage	126,385	174,431	48,046	3.19	37,140	5,610	16,516	2.32	0.36	1.23
Bethel	8,917	10,999	2,028	2.09	2,680	610	12	2.52	0.56	0.14
Bristol Bay	1,147	1,094	-53	-0.47	190	50	-193	2.74	0.41	-2.81
Dillingham	3,872	4,616	744	1.75	1,000	300	44	2.16	0.62	0.21
Fairbanks North Star	45,864	53,983	8,119	1.63	13,740	1,990	-3,631	2.55	0.37	-0.56
Haines	1,401	1,680	279	1.81	310	120	89	1.84	0.65	0.62
Juneau	13,556	19,528	5,972	3.61	3,240	870	3,602	1.83	0.49	2.27
Kenai Peninsula	16,586	25,282	8,696	4.15	4,500	1,030	5,226	2.03	0.46	2.58
Ketchikan Gateway	10,041	11,316	1,275	1.19	2,410	810	-325	2.07	0.71	-0.17
Kobuk	4,048	4,831	783	1.76	1,200	310	-207	2.78	0.64	-0.37
Kodiak Island	9,409	9,939	530	0.55	2,590	550	-1,510	2.49	0.50	-1.45
Matanuska-Susitna	6,509	17,816	11,307	9.30	2,410	650	9,547	1.90	0.51	7.92
Nome	5,749	6,537	788	1.28	1,730	580	-362	2.61	0.87	-0.46
North Slope Borough	3,451	4,199	748	1.96	900	270	118	2.20	0.65	0.41
Prince of Wales	3,782	3,822	40	0.11	770	290	-440	1.84	0.62	-1.12
Sitka	6,073	7,803	1,730	2.49	1,500	420	650	2.01	0.56	1.04
Skagway-Yakutat-Angoon	2,792	3,478	686	2.19	720	290	256	2.17	0.86	0.88
Southeast Fairbanks	4,308	5,676	1,368	2.74	1,310	200	258	2.47	0.35	0.63
Valdez - Cordova	4,977	8,348	3,371	5.06	1,310	390	2,451	1.99	0.85	3.65
Wade-Hampton	3,917	4,665	748	NA	1,320	250	-322	NA	NA	NA
Wrangell-Petersburg	4,920	6,167	1,247	2.25	1,240	450	457	2.10	0.74	0.89
Yukon Koyukuk	7,045	7,873	828	1.11	1,730	600	-302	2.16	0.73	-0.32

Sources: Alaska Planning Information, Alaska Department of Labor, 1985.

Table A.6

Age Distribution of Alaska's Population

	1982 July Estimate	1980 Census	1970 Census	1960 Census	1950 Census
Alaska Total	460,800	401,851	302,361	226,167	128,643
Under 5	44,081	38,949	32,281	34,193	15,579
5-9	36,573	35,043	37,149	26,589	10,644
10-14	38,257	34,282	34,212	19,521	7,858
15-19	41,316	37,154	26,565	17,199	10,815
20-24	52,487	45,090	36,216	23,523	17,171
25-29	53,998	48,645	27,119	20,594	14,007
30-34	48,770	42,163	22,926	19,078	12,440
35-39	39,264	31,316	20,458	17,733	10,565
40-44	27,357	22,706	17,728	14,208	7,952
45-49	21,560	18,404	15,246	11,002	6,170
50-54	17,821	15,839	11,826	7,955	4,486
55-59	14,771	12,617	8,736	5,721	3,479
60-64	10,624	8,096	5,083	3,425	2,735
65-69	6,310	5,206	3,221	2,237	2,126
70-74	3,821	3,106	1,606	1,508	1,288
75 yrs & over	3,790	3,235	1,989	1,641	1,328
Median Age	NA	26.1	22.1	23.3	25.8

Source: Alaska Population Overview, Alaska Department of Labor, 1982.

Table A.7

Fall Quarter Enrollments
of Alaska Elementary and Secondary Students

School Year	Public Schools	Private Schools	BIA Schools	Alaska Totals
1973-74	84,127	1,855	5,725	91,707
1974-75	86,103	2,254	4,883	93,240
1975-76	89,295	2,445	4,718	96,458
1976-77	90,550	2,599	3,135	96,284
1977-78	90,631	3,128	3,005	96,764
1978-79	90,728	3,139	2,999	96,866
1979-80	88,550	3,771	2,859	95,180
1980-81	88,276	4,447	2,668	95,391
1981-82	90,858	5,000 a/	2,418	98,276
1982-83	96,382	4,089	1,099	101,570
1983-84	100,435	3,868	1,005	105,308

a/ Estimate by Alaska Department of Education.

Source: Alaska Department of Education.

Table A.8

Average Annual Enrollments in
Alaska Colleges, Universities and Community Colleges a/

School Year	University of Alaska Main Campuses	University of Alaska Community Colleges	Alaska Pacific University	Sheldon Jackson Jr. College	Alaska Bible College	Alaska Totals
1974-75	4,805 b/	12,116 b/	1,377	252	47	18,597
1975-76	5,588 b/	21,522 b/	651	211	50	28,022
1976-77	7,195 b/	25,024 b/	NA	184	54	32,457
1977-78	7,664	23,032	175 c/	141	38	31,050
1978-79	7,620	21,285	302	141	38	29,386
1979-80	9,833	20,002	740	121	97	30,793
1980-81	10,699	21,312	1,298	138	75	33,522
1981-82	8,173	20,001	1,546	150	72	29,942
1982-83	13,324	21,754	1,652	247	63	37,040
1983-84	11,914	18,876	1,423	226	79	32,518

a/ Average of Fall and Spring Semesters for each school year.
b/ Due to missing data figure shows only Fall Semester closing enrollment.
c/ Prior to this school year Alaska Pacific University was Alaska Methodist University.

Source: Annual Financial Report, Alaska Department of Administration, 1984.

B. INCOME

FIGURES

Figure B.1 Alaska Personal and Disposable Income
Figure B.2 Annual Percent Change of Real Personal Income: Alaska and U.S.
Figure B.3 Real Per Capita Disposable Income: Alaska & U.S.
Figure B.4 1983 Per Capita Disposable Income: Alaska and Western States
Figure B.5 1983 Alaska and U.S. Wage and Salary Disbursements per Employee

TABLES

Table B.1 1979 Household Money Income by Census Area: 1980 Census
Table B.2 Derivation of Alaska Personal and Disposable Personal Income
Table B.3 Nominal and Real Income Summary Tables and Income Growth Rates
Table B.4 Alaska Earnings by Industry
Table B.5 Alaska Wage and Salary Disbursements by Industry
Table B.6 Per Capita Disposable Income: Alaska, Western States and U.S. Regions
Table B.7 Alaska Wage and Salary Disbursements per Employee by Industry
Table B.8 U.S. vs. Alaska Comparison of Wage and Salary Disbursements per Employee by Industry

Figure B.1

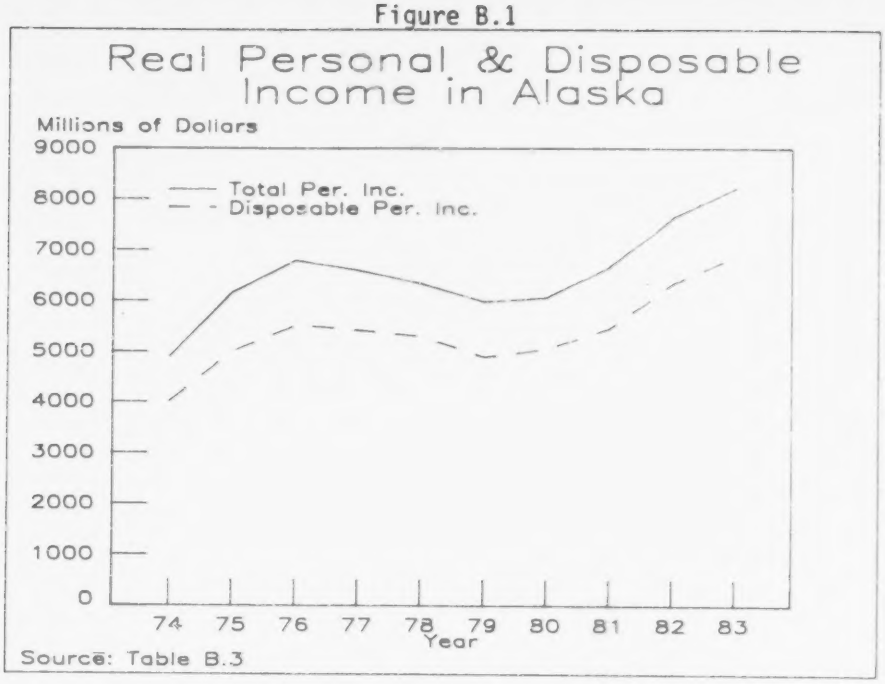


Figure B.2

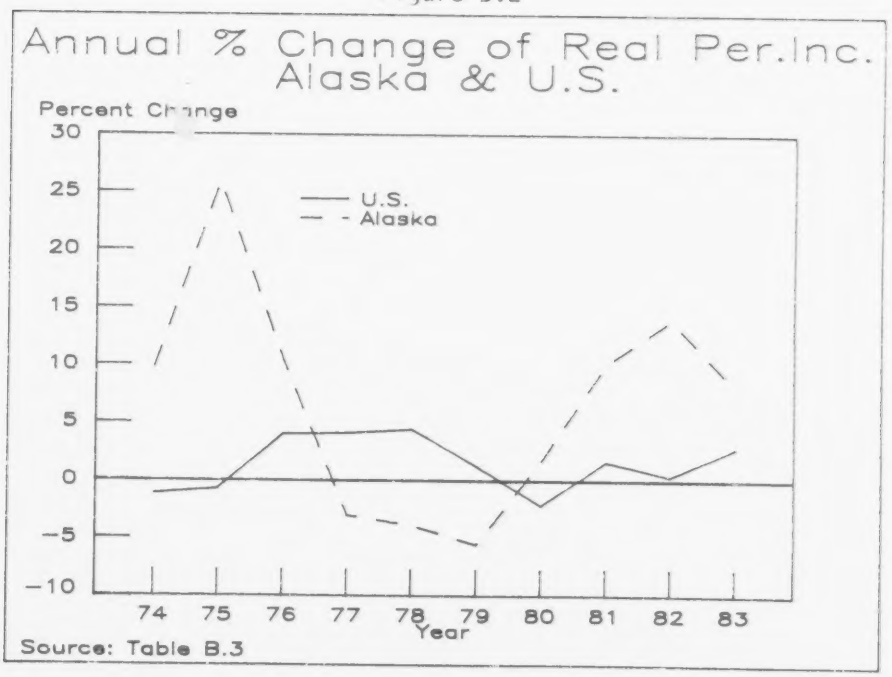
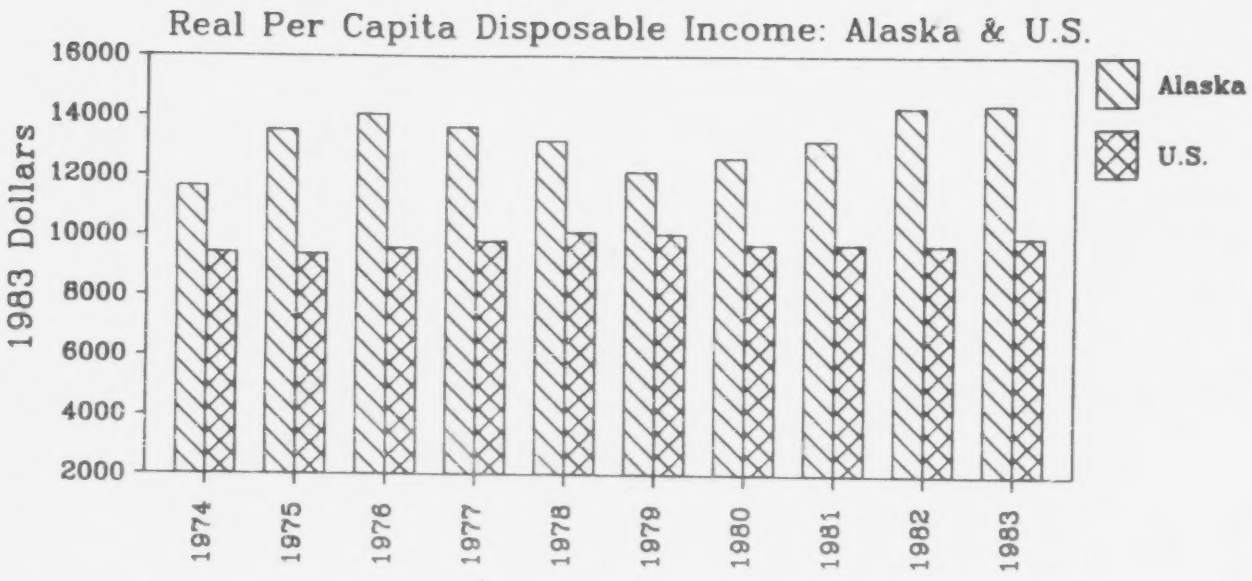
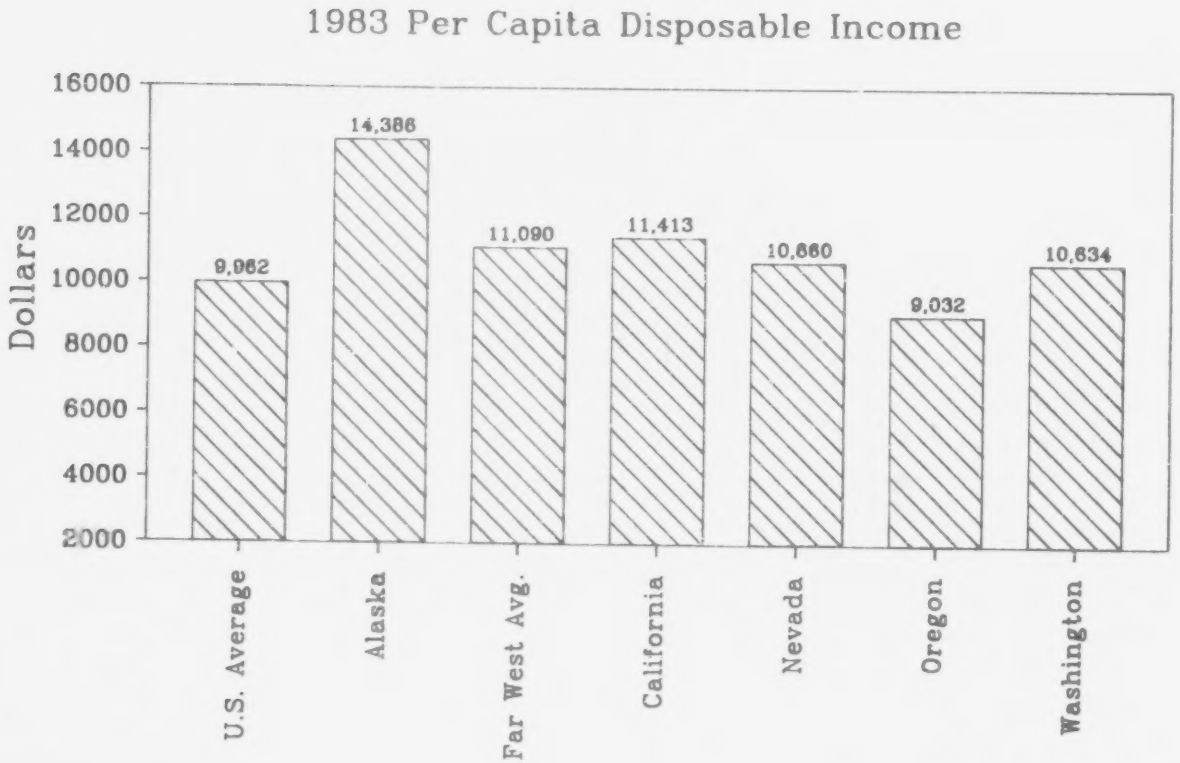


Figure B.3



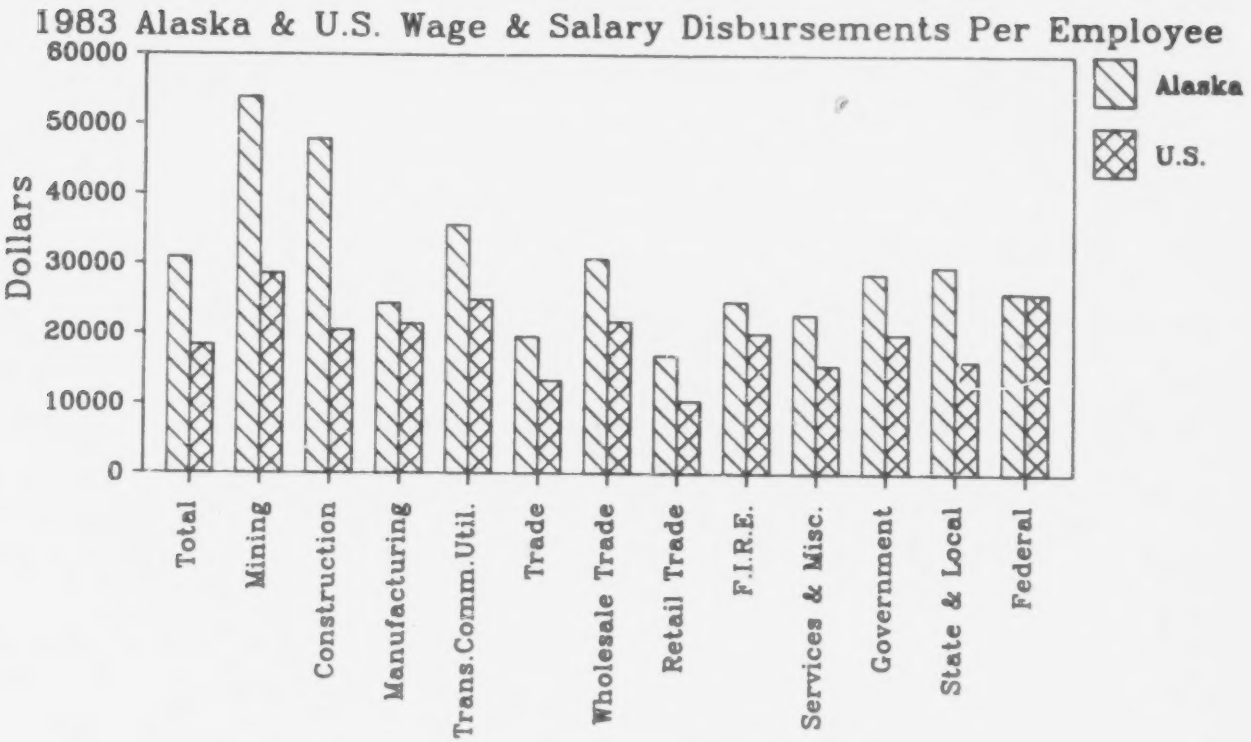
Sources: Tables B.3 and O.1

Figure B.4



Source: Table B.6

Figure B.5



Source: Table B.7

Table B.1

1979 Household Money Income by Census Area
1980 Census

Census Area	Total Households	Families as % of Households	Female a/ Householder as % of Families	Median Household Income	Household Income Distribution (%)				Income Below Poverty Lev.	
					Less than $10,000	$10,000 to $29,999	$30,000 to $49,999	$50,000 and More	% of Families	% of Female Householders
Aleutian Islands	1,598	81.8	5.1	19,389	17.8	51.7	18.8	11.7	9.6	43.8
Anchorage	60,470	71.6	11.9	27,375	14.1	40.0	27.7	18.1	6.1	23.3
Bethel	2,684	76.1	13.9	13,656	38.5	40.6	15.0	6.0	28.3	39.7
Bristol Bay	246	72.4	10.7	33,516	10.7	30.5	31.7	27.2	-	-
Dillingham	1,214	78.9	10.6	18,977	30.4	37.3	15.9	16.5	24.2	46.8
Fairbanks North Star	18,224	71.5	9.1	23,647	21.1	39.8	25.4	13.6	8.1	31.4
Haines	572	74.5	6.8	20,893	22.1	47.1	21.4	9.3	10.0	18.8
Juneau	7,035	68.2	12.0	30,834	10.5	37.5	32.9	19.1	3.3	15.0
Kenai Peninsula	8,546	74.3	7.9	23,660	23.1	36.9	26.0	14.0	8.8	22.6
Ketchikan Gateway	3,985	69.8	10.2	27,015	18.2	37.0	32.5	12.3	5.6	21.8
Kobuk	1,140	77.4	19.6	17,756	31.9	43.8	15.8	8.4	24.5	38.4
Kodiak Island	3,027	73.5	8.4	26,421	17.6	39.0	25.7	17.6	7.5	21.2
Matanuska-Susitna	5,699	78.9	8.6	23,483	20.3	42.5	24.6	12.7	11.0	35.3
Nome	1,741	75.2	14.9	14,550	37.2	40.2	14.4	8.3	25.0	38.1
North Slope	980	75.0	13.1	31,378	16.0	31.3	30.4	22.3	10.8	19.8
Prince of Wales	1,121	80.6	7.8	21,947	21.1	47.5	18.5	12.9	10.8	31.1
Sitka	2,440	75.8	9.7	31,133	9.7	36.7	38.7	14.8	4.3	19.5
Skagway-Yakutat-Angoon	1,087	73.1	10.2	21,396	26.0	37.4	26.9	9.6	10.0	21.6
Southeast Fairbanks	1,666	81.9	6.6	15,903	30.9	43.0	19.1	6.9	13.6	60.8
Valdez-Cordova	2,689	70.7	8.5	27,469	20.9	32.0	23.4	23.6	7.9	24.2
Wade-Hampton	947	86.2	10.5	11,37				6	36.3	54.5
Wrangell-Petersburg	2,072	73.6	8.3	24,403	15.9	45.9	28.2	10.0	5.4	37.1
Yukon-Koyukuk	2,280	69.5	14.6	12,371	42.8	33.2	16.1	7.9	25.8	43.0
ALASKA	131,463	72.7	10.7	25,414	18.3	39.6	26.4	15.7	8.6	26.5
U.S.	80,389,673	73.2	14.3	16,841	29.1	51.2	15.2	4.6	9.6	30.3

a/ No husband present.

Source: County and City Data Book 1983, Bureau of the Census.

Table B.2

Derivation of Alaska Total Personal and Disposable Personal Income a/

Income Computation Procedure	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984 b/
					(millions of current dollars) a/							
Total Earnings by Place of Work	1,385	2,419	3,830	4,747	4,378	4,249	4,365	4,859	5,786	6,710	7,420	7,816
Type of Earnings:												
Wages and Salaries	1,254	2,194	3,502	4,323	3,885	3,682	3,825	4,330	5,167	5,995	6,578	6,886
Other Labor Income	46	96	166	227	273	282	255	288	351	424	480	517
Proprietor's Income	85	129	161	197	220	285	285	241	269	291	362	413
Net Earnings by Place of Resid.	1,256	2,057	3,023	3,632	3,676	3,716	3,842	4,269	5,031	5,794	6,410	6,758
Total Earnings -	1,385	2,419	3,830	4,747	4,378	4,249	4,365	4,859	5,786	6,710	7,420	7,816
Less: Residence Adjust.	72	223	633	912	471	308	284	323	421	529	579	599
Less: Social Insurance Contributions	57	139	174	204	232	225	238	268	335	389	431	459
Total Personal Income	1,438	2,475	3,544	4,216	4,358	4,485	4,674	5,238	6,230	7,491	8,238	8,574
Net Earnings -	1,256	2,057	3,023	3,632	3,676	3,716	3,842	4,269	5,031	5,794	6,410	6,758
Plus: Transfer Payments	88	240	288	295	347	370	372	421	503	845	913	770
Plus: Dividends, Interest and Rent	95	177	233	290	336	398	460	548	696	853	916	1,046
Disposable Personal Income	1,209	2,026	2,882	3,422	3,576	3,747	3,824	4,367	5,096	6,237	6,893	NA
Total Personal Income -	1,438	2,475	3,544	4,216	4,358	4,485	4,674	5,238	6,230	7,491	8,238	NA
Less: Tax and Nontax Payments	229	449	662	794	782	738	850	871	1,134	1,254	1,345	NA
Type of Tax & Nontax Paym.:												
Federal Taxes Net of Refunds	174	350	496	592	542	534	641	740	1,011	1,116	1,186	NA
State Tax Payments	41	72	134	165	195	144	137	38	14	14	21	NA
State Nontax Payments	6	10	12	15	17	19	25	38	43	44	50	NA
Local Tax and Nontax Paym.	6	15	18	20	25	38	45	52	64	78	86	NA
State & Local Personal Property Taxes	1	2	2	2	2	2	2	3	3	3	3	NA
Per Capita: a/												
Personal Income (dollars)	4,726	7,180	9,554	10,725	10,968	11,150	11,585	13,007	14,979	16,854	17,194	NA
Disposable Per. Inc. (dollars)	3,972	5,878	7,770	8,705	9,001	9,316	9,478	10,844	12,252	14,032	14,386	NA

a/ All entries, except per capita personal income and per capita disposable income figures, are in millions of current dollars. Per capita personal and disposable income figures are in current dollars.

b/ Because the 1984 annual income figures are not yet released, here the average of quarterly published seasonally adjusted annual income figures are used.

Source: Regional Economic Information System, U.S. Department of Commerce, Bureau of Economic Analysis.

Table B.3

Nominal and Real Income Summary Tables and Income Growth Rates

	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Nominal Value:											
Total Earnings (millions of dollars)	1,385	2,419	3,830	4,747	4,378	4,249	4,365	4,859	5,786	6,710	7,420
Net Earnings (")	1,256	2,057	3,023	3,632	3,676	3,716	3,842	4,269	5,031	5,794	6,410
Total Personal Income (")	1,438	2,475	3,544	4,216	4,358	4,485	4,674	5,238	6,230	7,491	8,238
Disposable Personal Inc. (")	1,209	2,026	2,882	3,422	3,576	3,747	3,824	4,367	5,096	6,237	6,893
Per Capita Personal Inc. (dollars)	4,726	7,180	9,554	10,725	10,968	11,150	11,585	13,007	14,979	16,854	17,194
Per Capita Dis. Per. Inc. (")	3,972	5,878	7,770	8,705	9,001	9,316	9,478	10,844	12,252	14,032	14,386
Anchorage CPI: (1967=100)	109.60	133.90	152.30	164.10	175.00	187.50	207.00	228.20	246.50	260.10	264.80
Real Value (1983 dollars):											
Total Earnings (millions of dollars)	3,346	4,784	6,659	7,660	6,625	6,001	5,584	5,638	6,216	6,831	7,420
Net Earnings (")	3,035	4,068	5,256	5,861	5,562	5,248	4,915	4,954	5,404	5,899	6,410
Total Personal Income (")	3,474	4,895	6,162	6,803	6,594	6,334	5,979	6,078	6,693	7,646	8,238
Disposable Personal Inc. (")	2,921	4,007	5,011	5,522	5,411	5,292	4,892	5,067	5,474	6,350	6,893
Per Capita Personal Inc. (dollars)	11,418	14,199	16,611	17,306	16,596	15,747	14,820	15,093	16,091	17,159	17,194
Per Capita Dis. Per. Inc. (")	9,597	11,624	13,509	14,047	13,620	13,157	12,125	12,583	13,162	14,286	14,386
Annual Percent Change of Nominal:											
Total Earnings	-	33.20	58.33	23.94	-7.77	-2.95	2.73	11.32	19.08	15.97	10.58
Net Earnings	-	25.81	46.96	20.15	1.21	1.09	3.39	11.11	17.85	15.17	10.63
Total Personal Income	-	21.68	43.19	18.96	3.37	2.91	4.21	12.07	18.94	20.24	9.97
Disposable Personal Income	-	18.00	42.25	18.74	4.50	4.78	2.05	14.20	16.69	22.39	10.52
Per Capita Personal Inc.	-	17.63	33.06	12.26	2.27	1.66	3.90	12.27	15.16	12.52	2.02
Per Capita Disp. Per. Inc.	-	14.11	32.19	12.03	3.40	3.50	1.74	14.41	12.98	14.53	2.52
Annual Percent Change of Real:											
Total Earnings	-	20.17	39.20	15.03	-13.52	-9.42	-6.95	.98	10.24	9.91	8.62
Net Earnings	-	13.50	29.21	11.51	-5.09	-5.65	-6.35	.79	9.10	9.14	8.67
Total Personal Income	-	9.78	25.89	10.41	-3.07	-3.95	-5.60	1.66	10.11	13.95	8.02
Disposable Personal Income	-	6.45	25.06	10.20	-2.01	-2.20	-7.56	3.59	8.03	15.99	8.56
Per Capita Personal Inc.	-	6.12	16.99	4.18	-4.10	-5.12	-5.89	1.84	6.61	6.63	.21
Per Capita Disp. Per. Inc.	-	2.95	16.22	3.98	-3.04	-3.40	-7.85	3.78	4.60	8.54	.70

Source: Income data from the Regional Economic Information System, U.S. Department of Commerce, Bureau of Economic Analysis.
CPI data from the U.S. Department of Labor, Bureau of Labor Statistics.

Table B.4

Alaska Earnings by Industry

Industry	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
					(millions of current dollars)						
Total Earnings	1,385	2,419	3,830	4,747	4,378	4,249	4,365	4,859	5,786	6,710	7,420
Farm	2	2	4	3	4	6	6	4	5	4	5
Ag. Serv., For., Fish.	25	37	30	57	30	86	82	NA	46	39	42
Mining	55	70	115	136	180	241	250	NA	469	494	488
Oil & Gas Extraction	50	62	106	127	170	230	237	313	441	464	454
Construction	148	425	1,095	1,570	945	518	425	497	676	913	1,117
General	41	97	123	149	127	146	111	110	192	227	278
Heavy & Special	107	328	972	1,421	818	372	314	387	484	686	839
Manufacturing	93	145	161	198	229	260	313	362	361	349	349
Food & Kind. Prod.	34	47	51	74	87	109	131	143	153	142	135
Lumber & Paper Prod.	41	69	69	80	93	87	103	127	119	111	107
Printing & Publishing	6	9	10	13	15	16	19	21	26	32	37
Trans., Comm. & Util.	130	238	407	438	452	513	537	597	696	771	791
Trucking & Warehousing	22	NA	133	122	96	82	73	84	108	111	102
Water Transportation	9	18	29	31	45	34	34	44	NA	44	45
Air Transportation	41	70	89	96	103	118	134	149	185	193	201
Communications	34	63	95	112	129	152	168	184	200	223	236
Utilities	14	24	30	39	41	51	52	54	NA	84	96
Trade	159	266	393	447	481	501	517	550	670	804	928
Wholesale Trade	45	75	126	146	146	147	148	160	197	237	273
Retail Trade	114	191	267	301	335	354	369	390	473	567	655
Finance Ins. & Real Est.	37	65	96	131	157	177	175	169	220	247	307
Services & Misc.	142	269	507	637	654	582	599	669	823	1,015	1,121
Government	592	903	1,021	1,129	1,246	1,365	1,462	1,614	1,820	2,072	2,271
State & Local	193	395	469	556	622	707	768	893	1,036	1,217	1,353
Federal Civilian	193	253	293	309	343	363	385	398	427	449	484
Federal Military	207	255	259	264	281	294	308	322	358	406	435

Source: Regional Economic Information System, U.S. Department of Commerce, Bureau of Economic Analysis.

Table B.5

Alaska Wage and Salary Disbursements by Industry

Industry	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
					(millions of current dollars)						
Total Wages and Salaries	1,254	2,194	3,502	4,323	3,885	3,682	3,825	4,330	5,167	5,995	6,578
Farm	.6	.8	1.0	1.0	1.0	2.0	2.0	3.0	3.0	3.0	3.0
Ag. Serv., For., Fish.	12	19	17	27	10	8	10	NA	11	12	12
Mining	52	65	107	126	164	219	231	NA	431	454	447
Oil & Gas Extraction	47	59	99	118	155	209	219	286	404	425	416
Construction	129	385	1,022	1,466	837	434	353	429	586	799	971
General	36	86	108	128	100	117	83	87	160	190	229
Heavy & Special	93	299	914	1,338	737	317	270	342	426	609	742
Manufacturing	84	131	144	175	195	219	269	311	308	299	297
Food & Kind. Prod.	31	42	45	65	74	92	113	123	131	121	114
Lumber & Paper Prod.	23	41	41	46	50	45	58	76	68	67	63
Printing & Publishing	5	8	9	11	13	14	17	19	23	28	32
Trans., Comm. & Util.	114	206	359	381	384	427	455	508	605	653	659
Trucking & Warehsg.	19	NA	123	110	83	70	63	72	93	94	85
Water Trans.	8	15	26	28	42	31	31	38		46	48
Air Trans.	37	62	79	84	87	97	113	126	163	166	172
Communications	30	53	79	93	105	125	138	152	166	182	189
Utilities	11	20	26	32	36	41	43	46		62	69
Trade	136	227	339	389	410	430	449	489	595	722	822
Wholesale Trade	41	67	114	133	131	129	131	144	179	214	246
Retail Trade	95	160	225	256	279	301	318	345	416	498	576
Finance Ins. & Real Est.	30	59	83	108	125	142	146	155	178	222	261
Services & Misc.	109	210	426	540	535	463	474	541	666	813	887
Government	588	891	1,006	1,111	1,224	1,340	1,436	1,584	1,784	2,028	2,218
State & Local	191	389	462	548	612	695	754	876	1,015	1,190	1,320
Federal Civilian	191	248	284	299	331	351	373	385	411	432	463
Federal Military	206	255	259	264	281	294	308	322	358	406	435

Source: Regional Economic Information System, U.S. Department of Commerce, Bureau of Economic Analysis.

Table B.6

Per Capita Disposable Income:
Alaska, Western States and the U. S. Regions

Region	Current Per Capita Disposable Income			Avg. Annual % Growth Rate		Alaska/ Region Ratio: 1983
	1970	1980	1983	1970-1980	1980-1983	
U.S. Average	3,382	8,016	9,962	9.03	7.53	1.44
Alaska	3,972	10,844	14,386	10.90	10.01	1.00
Hawaii	3,899	8,582	10,515	8.24	7.03	1.37
Far West	3,777	9,094	11,090	9.21	6.86	1.30
California	3,880	9,300	11,413	9.16	7.09	1.26
Nevada	3,981	9,133	10,660	8.70	5.37	1.35
Oregon	3,147	7,766	9,032	9.46	5.24	1.59
Washington	3,530	8,746	10,634	9.53	6.93	1.35
Rocky Mountains	3,096	7,769	9,438	9.65	6.74	1.52
Southwest	3,034	7,814	9,690	9.94	7.50	1.48
Southeast	2,807	6,951	8,808	9.50	8.23	1.63
Plains	3,233	7,763	9,608	9.24	7.44	1.50
Great Lakes	3,481	8,188	9,808	8.94	6.22	1.47
Mideast	3,773	8,462	10,722	8.42	8.22	1.34
New England	3,673	8,426	11,049	8.67	9.46	1.30

Source: Regional Economic Information System, U.S. Department of Commerce, Bureau of Economic Analysis.

Table B.7

Alaska Wage and Salary Disbursements Per Employee by Industry

Industry	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
					(current dollars)						
Total Wages and Salaries	13,562	17,117	21,710	25,176	23,679	22,048	22,959	25,218	27,765	29,930	30,883
Mining	17,368	21,841	28,232	31,778	33,078	39,818	39,828	NA	48,427	51,591	53,855
Construction	18,715	27,371	39,557	48,490	42,822	35,285	34,950	40,093	45,426	47,560	47,833
Manufacturing	10,717	13,630	14,939	16,939	17,982	18,250	21,181	21,901	22,000	23,730	24,344
Food & Kind. Prod.	8,289	9,786	10,417	12,683	13,511	13,731	16,143	15,375	16,173	17,536	16,765
Lumber & Paper Prod.	8,339	11,267	12,137	14,163	14,603	15,517	18,710	21,714	21,250	23,103	25,200
Other Manufacturing	22,388	28,571	29,882	32,703	36,541	34,167	39,200	41,481	40,370	39,643	41,379
Trans., Comm. & Util.	12,515	16,642	21,793	24,183	23,957	26,196	27,246	29,535	33,060	35,489	35,622
Trucking & Warehsg.	11,473	NA	31,092	33,940	30,425	29,167	31,500	36,000	38,750	39,167	38,636
Water Trans.	9,639	14,382	18,705	21,037	31,722	25,833	25,833	27,143	32,857	35,385	34,286
Other Trans.	24,486	NA	33,097	37,167	34,061	39,756	42,976	46,824	53,563	57,000	57,174
Comm. & Util.											
Trade	8,856	10,740	12,934	14,113	14,410	14,828	15,324	16,633	17,922	19,253	19,618
Wholesale Trade	12,639	16,547	19,293	21,810	22,200	22,632	23,818	26,182	27,538	29,722	30,750
Retail Trade	7,843	9,364	11,084	11,926	12,371	12,918	13,361	14,435	15,581	16,436	16,941
Finance Ins. & Real Est.	9,684	12,053	13,767	15,207	16 079	15,435	17,381	19,136	20,460	23,125	24,623
Services & Misc.	9,374	10,857	16,266	18,699	19,334	16,360	16,233	17,914	20,182	21,973	22,802
Government	10,745	14,552	15,824	17,688	19,326	19,228	20,717	22 844	24,974	27,215	28,620
State & Local	10,345	15,275	15,998	18,314	19,704	19,801	20,434	23,548	25,567	28,333	29,663
Federal Civilian	11,162	13,766	15,529	16,663	18,665	18,093	21,314	21,389	23,486	24,407	26,011

Source: Tables B.5 and C.2.

Table B.8

U.S. vs. Alaska Comparison of Wage and Salary Distributions per Employee a/ by Industry

Industry	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
All Industries	1.774	1.737	1.676	1.647	1.762	2.086	2.259	1.996	1.735	1.672	1.687	1.701	1.716	1.687
Mining	1.866	1.792	1.702	1.657	1.725	1.962	2.034	1.933	2.070	1.952	n/a	1.861	1.877	1 882
Construction	2.022	2.035	1.977	1.845	2.392	3.099	3.578	3.083	2.384	2.161	2.303	2.386	2.350	2.343
Manufacturing	1.312	1.284	1.219	1.187	1.295	1.297	1.355	1.331	1.251	1.335	1.253	1.151	1.163	1.138
Trans. Comm. & Util.	1.399	1.287	1.270	1.218	1.377	1.663	1.677	1.533	1.543	1.482	1.472	.150	1.514	1.432
Trade	1.482	1.454	1.436	1.374	1.432	1.621	1.665	1.609	1.549	1.481	1.485	1.485	1.516	1.482
Wholesale Trade	1.493	1.456	1.449	1.381	1.487	1.560	1.659	1.582	1.499	1.446	1.453	1.404	1.425	1.416
Retail Trade	1.545	1.528	1.510	1.462	1.505	1 720	1.737	1.713	1.680	1.625	1.639	1.657	1.667	1.635
Fin., Ins. & R. Es.	1.278	1.273	1.269	1.258	1.255	1.348	1.385	1.372	1.215	1.262	1.258	1.227	1.262	1.226
Services &								035	1.595	1.453	1.463	1 506	1.512	1.478
Government	1.224	1.423	1.423	1.466	1.330	1.366	1.439	1.484	1.408	1.432	1.460	1.443	1.445	1.433
State & Local	1.505	1 608	1.629	1.660	1.750	1.710	1.838	1.870	1.798	1.740	1.845	1.838	1.867	1.844
Federal Civilian	1.077	1.015	.978	1.010	1.001	1.053	1.048	1.089	.976	1.087	1.030	1.008	.992	1.005

a/ The ratio of Alaska wage and salary distributions per employee to U.S. wage and salary disbursements per employee.

Source: Tables B.7 and 0.4.

C. EMPLOYMENT

FIGURES

Figure C.1 Employment and Population in Alaska
Figure C.2 Unemployment Rates: Alaska and U.S.
Figure C.3 Alaska Employment in Selected Sectors (1)
Figure C.4 Alaska Employment in Selected Sectors (2)
Figure C.5 1984 Alaska Employment by Sector
Figure C.6 1983 Alaska Employment by Region
Figure C.7 1983 Sector Employment Relative to Total: Alaska vs. U.S.
Figure C.8 Employment Location Quotient: 1981-1983

TABLES

Table C.1 Labor Force and Education Characteristics by Census Area: 1980 Census
Table C.2 Alaska Average Annual Nonagricultural Wage and Salary Employment by Industry
Table C.3 Alaska Employment and Unemployment Rate by Census Area
Table C.4 Alaska-U.S. Employment Location Quotient

Figure C.1

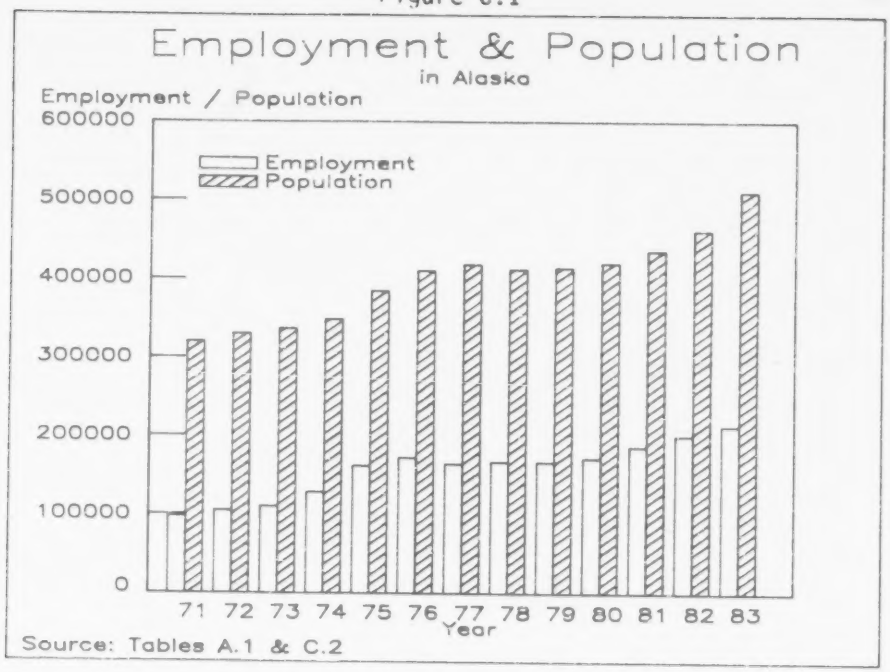


Figure C.2

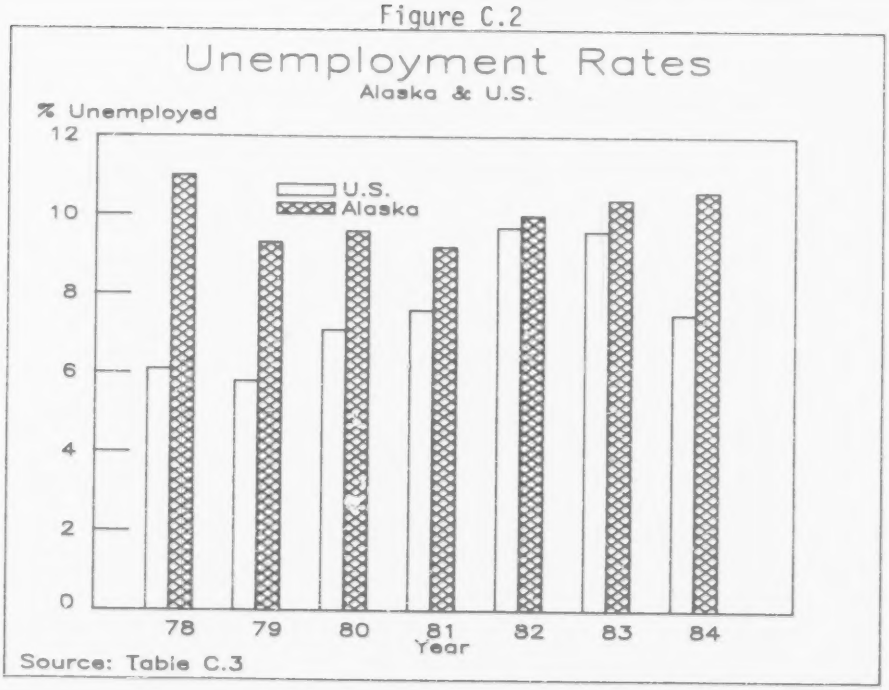


Figure C.3

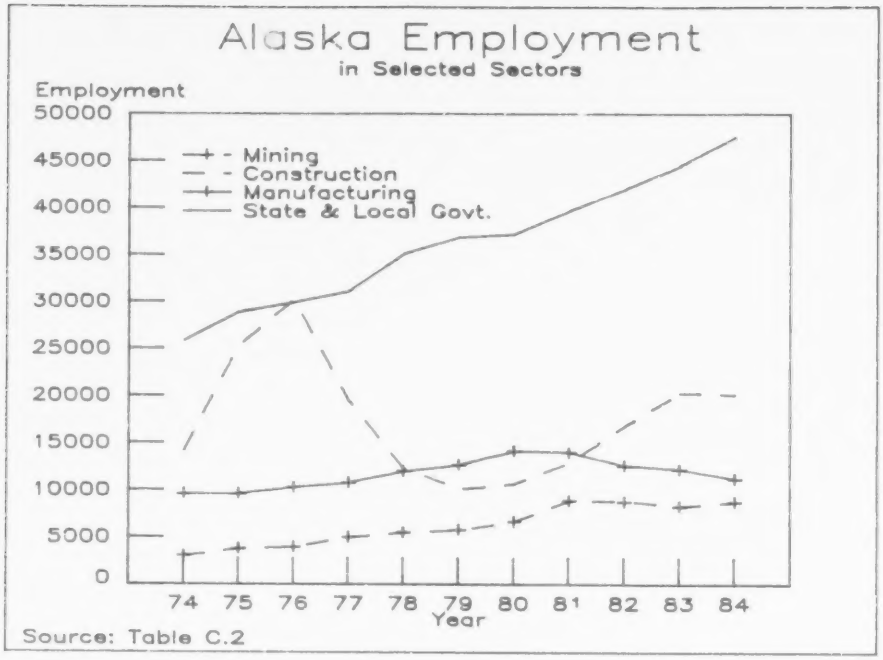


Figure C.4

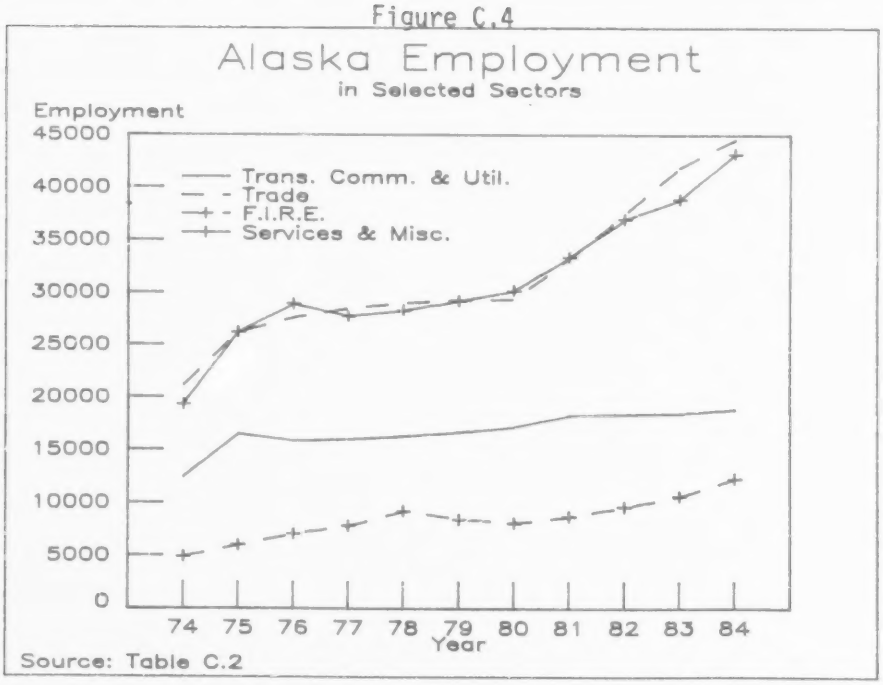


Figure C.5

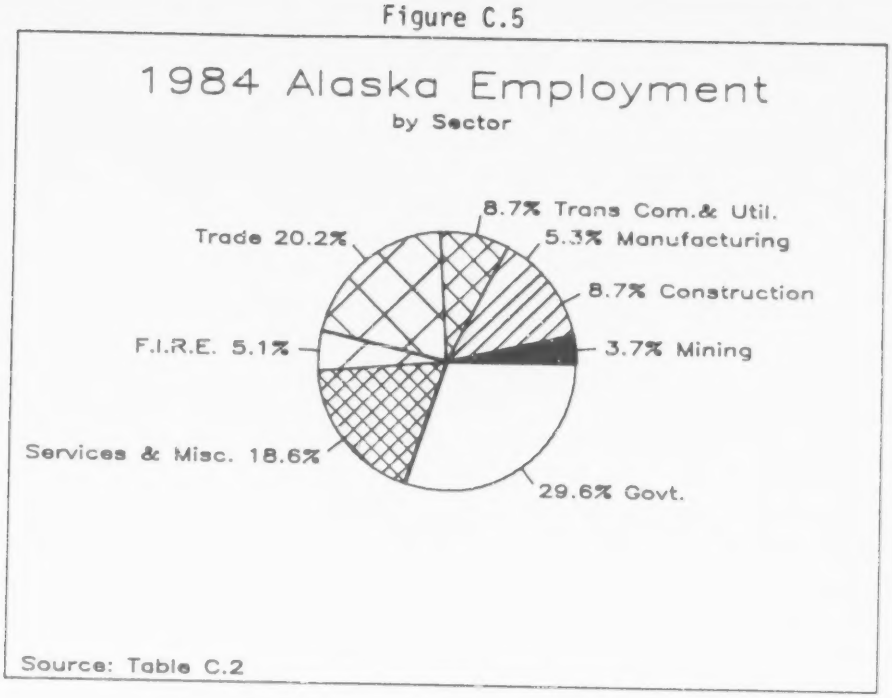


Figure C.6

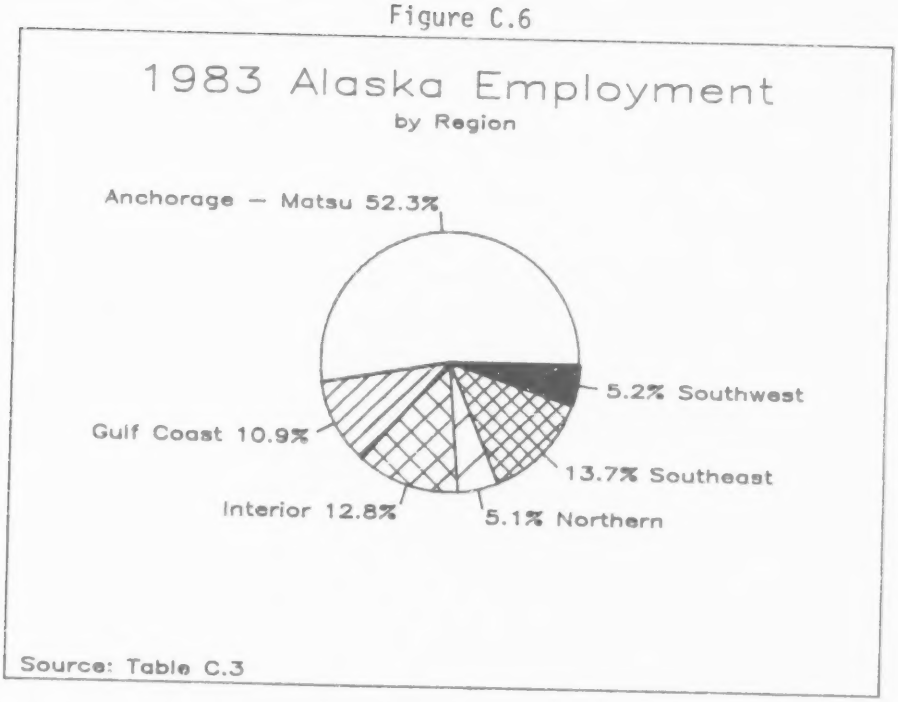
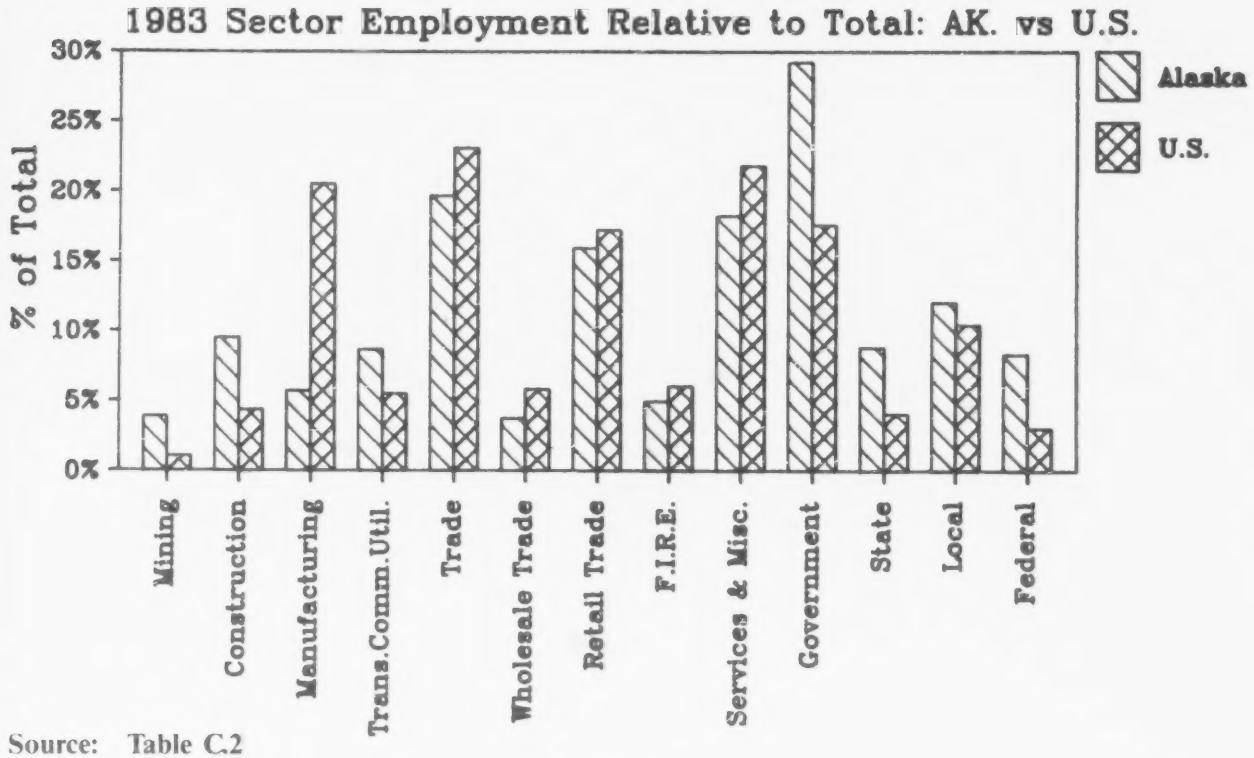
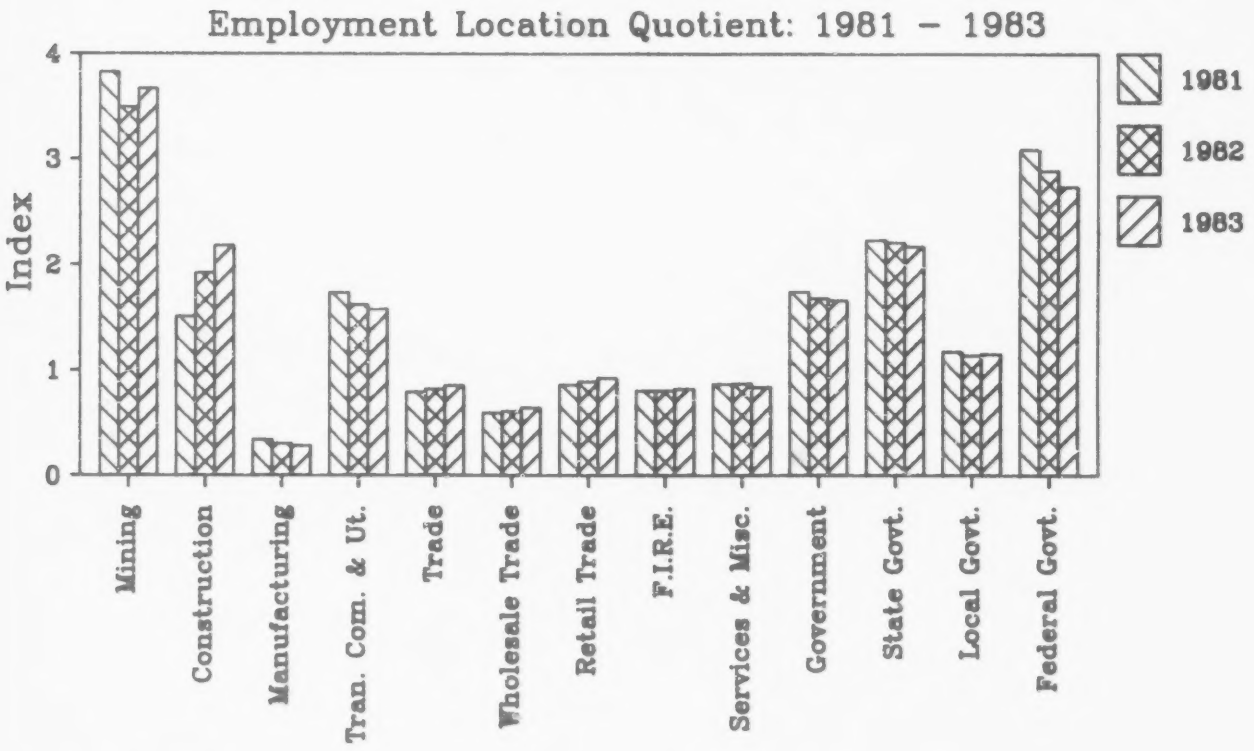


Figure C.7



Source: Table C.2

Figure C.8



Source: Table C.4

Table C.1

Labor Force and Education Charecteristics by Census Area
1980 Census

Census Area	Labor Force			Civilian Employment	Civilian Unemploy-Rate (%)	Persons 25 yrs. or Older	Years of School Completed (% of 25 yrs. or older)		College Enroll-ment
	Total	Civilian	Female % Civilian				12 + yrs.	16 + yrs.	
Aleutian Islands	4,788	2,605	38.8	2,432	6.6	3,744	77.1	15.3	172
Anchorage	95,687	84,773	44.4	77,754	8.3	93,020	88.3	23.6	9,363
Bethel	3,458	3,404	39.6	3,013	11.5	4,812	45.9	13.7	220
Bristol Bay	667	324	40.1	282	13.0	601	81.9	16.5	38
Dillingham	1,577	1,576	44.4	1,308	17.0	2,129	56.4	16.2	78
Fairbanks North Star	28,703	23,544	42.4	20,811	11.6	28,062	86.6	22.0	4,295
Haines	792	792	37.9	731	7.7	960	77.9	19.8	42
Juneau	11,311	11,129	44.8	10,360	6.9	11,229	91.1	33.9	1,112
Kenai Peninsula	11,201	11,127	37.2	9,622	13.5	13,694	82.0	16.2	683
Ketchikan Gateway	5,909	5 696	39.1	5,410	5.0	6,353	82.2	17.7	409
Kobuk	1,588	1,543	44.1	1,206	21.8	2,077	48.2	13.4	73
Kodiak Island	5,372	4,707	38.8	4,365	7.3	5,224	78.3	17.7	335
Matanuska-Susitna	7,607	7,550	36.9	6,477	14.2	9,634	81.4	17.7	519
Nome	2,256	2,213	41.3	1,831	17.3	3,058	54.4	13.7	143
North Slope	2,031	1,874	33.1	1,734	7.5	2,068	56.4	12.6	65
Prince of Wales	1,751	7,751	31.6	1,616	7.7	1,961	69.1	10.0	76
Sitka	4,105	3,883	40.6	3,626	6 6	4,126	81.1	21.2	344
Skagway-Yakutat-Angoon	1,558	1,553	38.1	1,294	16.7	1,873	70.9	14.7	48
Southeast Fairbanks	2,750	1,882	41.7	1,519	19.3	2,777	79.6	15.3	227
Valdez-Cordova	4,201	4,039	37.4	3,701	8.4	4,687	80.3	15.6	241
Wade-Hampton	1,279	1,243	40.8	964	22.4	1,868	34.6	7.7	46
Wrangell-Petersburg	3,097	3,082	36.2	2,800	9.1	3,425	77.1	17.7	101
Yukon-Koyukuk	2,994	2,389	39.6	2,018	15.5	4,015	66.9	13.4	148
ALASKA	204,682	182,679	42.1	167,874	9.7	211,397	82.5	21.1	18,778
U.S.	106,084,668	104,449,817	42.6	97,639,355	6.5	132,835,687	66.5	16.2	12,379,094

Source: County and City Data Book 1983, Bureau of the Census.

Table C.2

Alaska Average Annual Nonagricultural Wage and Salary Employment by Industry

Industry	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	92,500	128,200	161,300	171,800	164,100	167,000	166,600	171,600	186,500	200,400	212,900	217,800
Mining	3,000	3,000	3,800	4,000	5,000	5,500	5,800	6,700	8,900	8,800	8,300	8,100
Construction	7,900	14,100	25,300	30,200	19,500	12,300	10,100	10,700	12,900	16,800	20,300	19,000
Manufacturing	7,800	9,600	9,600	10,300	10,800	12,000	12,700	14,200	14,000	12,600	12,200	11,600
Food & Kind. Prod.	3,700	4,300	4,300	5,100	5,500	6,700	7,000	8,000	8,100	6,900	6,800	6,300
Lumber & Paper Prod.	2,800	3,600	3,400	3,200	3,400	2,900	3,100	3,500	3,200	2,900	2,500	2,400
All Other Mfg.	1,300	1,700	1,900	2,000	1,900	2,400	2,500	2,700	2,700	2,800	2,900	3,000
Trans., Comm. & Util.	9,100	12,400	16,500	15,800	16,000	16,300	16,700	17,200	18,300	18,400	18,500	18,900
Trucking & Warehsg.	1,700	2,200	4,000	3,200	2,700	2,400	2,000	2,000	2,400	2,400	2,200	2,300
Water Trans.	830	1,000	1,400	1,300	1,300	1,200	1,200	1,400	1,400	1,300	1,400	1,400
Air Trans.	3,100	4,000	4,800	4,600	4,400	4,600	5,000	5,200	5,800	5,600	5,800	5,900
Other Trans. Comm. & Util.	3,600	5,200	6,300	6,500	7,600	8,200	8,400	8,500	8,700	9,000	9,200	9,300
Trade	15,400	21,100	26,200	27,600	28,500	29,000	29,300	29,400	33,200	37,500	41,900	44,100
Wholesale Trade	3,200	4,000	5,900	6,100	5,900	5,700	5,500	5,500	6,500	7,200	8,000	8,500
Retail Trade	12,100	17,100	20,300	21,500	22,600	23,300	23,800	23,900	26,700	30,300	34,000	35,600
Gen. Mer. & Apparel	3,400	4,100	4,100	4,300	4,300	4,200	4,100	4,300	4,300	4,500	4,800	5,100
Food Stores	1,700	2,000	2,600	3,000	3,100	3,400	3,500	3,700	4,300	5,000	5,600	6,000
Eating & Drinking Pl.	2,800	5,000	6,300	6,500	7,100	7,700	8,200	8,000	9,200	10,800	11,900	12,000
Other Retail Trade	4,300	6,000	7,300	7,800	8,000	8,000	7,900	7,800	8,900	10,100	11,700	12,300
Finance Ins. & Real Es.	3,100	4,900	6,000	7,100	7,800	9,200	8,400	8,100	8,700	9,600	10,600	11,200
Services & Misc.	11,600	19,300	26,200	28,900	27,700	28,300	29,200	30,200	33,400	37,000	38,900	40,600
Government	35,600	43,800	47,100	47,900	48,800	54,400	54,400	55,200	57,100	59,600	62,300	64,600
State	10,400	14,200	14,700	14,100	13,900	14,400	15,000	15,400	16,600	18,000	18,800	19,300
Local	8,100	11,600	14,200	15,800	17,200	20,700	21,900	21,800	23,100	24,000	25,700	27,400
Federal Civilian	17,100	18,000	18,300	17,900	17,700	19,400	17,500	18,000	17,500	17,700	17,800	17,900

Note: 1984 data are forecasted.

Sources: Employment 1970-1978, Alaska Annual Planning Information, Alaska Department of Labor, 1984; employment 1979-1984, Alaska Annual Planning Information, Alaska Department of Labor, 1985. Alaska Economic Trends, Alaska Department of Labor.

Table C.3

Alaska Employment and Unemployment Rate by Census Area

Census Area	Employment							Percent Unemployment Rate a/						
	1978	1979	1980	1981	1982	1983	1984 b/	1978	1979	1980	1981	1982	1983	1984 b/
U.S. Unemployment Rate								6.1	5.8	7.1	7.6	9.7	9.6	7.5
Total of Census Areas c/	161,000	166,000	169,000	177,000	190,000	206,000	214,900	11.0	9.3	9.6	9.2	10.0	10.4	10.6
Aleutian Islands	2,187	2,515	2,526	2,559	2,687	2,914	NA	6.3	5.5	6.8	5.9	6.2	5.6	NA
Anchorage	75,435	76,741	77,303	82,888	89,301	97,794	NA	8.2	7.3	7.1	6.7	7.4	7.6	NA
Angoon	350	366	391	391	357	373	NA	16.1	14.3	13.7	16.8	15.4	14.8	NA
Bethel	2,615	3,007	3,010	3,060	3,144	3,409	NA	11.3	10.3	13.7	13.1	12.1	11.2	NA
Bristol Bay Borough	347	399	390	406	355	385	NA	9.9	8.7	9.7	9.0	11.3	9.2	NA
Bristol Bay	1,112	1,279	1,279	1,302	1,327	1,439	NA	10.0	8.6	8.9	8.2	8.5	7.8	NA
Cordova	1,076	1,146	1,145	1,162	1,100	1,203	NA	9.1	8.2	9.5	8.6	9.8	9.8	NA
Fairbanks	17,967	18,110	17,669	18,559	19,839	21,421	NA	17.6	12.9	12.4	11.7	13.5	15.3	NA
Haines	952	997	1,054	1,064	911	950	NA	13.1	10.4	11.7	10.9	13.1	15.3	NA
Juneau	8,245	8,631	9,431	9,214	9,801	10,222	NA	8.9	7.3	7.4	7.6	8.5	9.7	NA
Kenai	8,111	8,642	8,950	8,757	10,475	11,447	NA	15.4	13.7	15.0	14.2	15.2	15.2	NA
Ketchikan	5,080	5,317	5,753	5,676	5,679	5,924	NA	10.9	8.8	9.0	12.7	12.5	12.1	NA
Kobuk	2,190	2,147	2,243	2,657	3,042	3,289	NA	13.0	11.2	12.9	10.0	9.0	10.0	NA
Kodiak	4,279	4,559	4,600	4,620	4,694	5,130	NA	8.2	7.6	9.3	9.3	11.2	9.6	NA
Matanuska-Susitna	5,591	5,688	6,069	6,143	9,121	9,988	NA	18.9	18.3	18.7	16.1	13.5	15.1	NA
Nome	3,159	3,098	3,203	3,834	4,116	4,450	NA	9.7	9.0	11.1	8.6	8.0	8.9	NA
North Slope (Barrow)	2,040	2,001	2,067	2,476	2,644	2,858	NA	7.1	6.5	7.1	7.5	7.3	6.9	NA
Prince of Whales	1,358	1,422	1,495	1,517	1,249	1,303	NA	10.3	9.4	9.4	12.6	13.3	18.1	NA
Sitka	3,255	3,407	3,737	3,637	3,959	4,130	NA	8.9	8.0	7.9	9.0	11.2	9.8	NA
Skagway	1,271	1,330	1,423	1,420	1,320	1,377	NA	13.0	10.7	11.8	11.3	11.9	21.0	NA
Southeast Fairbanks	1,695	1,708	1,683	1,751	1,990	2,149	NA	16.4	11.8	13.2	11.7	11.2	12.0	NA
Valdez	3,406	3,629	3,527	3,678	2,822	3,084	NA	13.4	8.6	9.1	8.6	11.5	11.7	NA
Wade Hampton	1,300	1,495	1,489	1,522	1,513	1,640	NA	11.2	9.4	11.6	10.6	13.0	12.6	NA
Wrangell-Petersburg	2,700	2,826	3,063	3,017	3,052	3,183	NA	12.1	9.5	11.1	13.8	13.2	14.5	NA
Yukon-Koyukuk	1,874	1,889	1,821	1,935	1,918	2,070	NA	16.5	13.1	16.0	13.2	13.4	15.2	NA

a/ Civilian employment rate is the ratio of employment to civilian labor force, which includes all noninstitutionalized persons over 16 who are working or actively seeking work. Unemployment rate is obtained by subtracting this ratio from one.

b/ 1984 employment is the average employment of the first nine months and 1984 unemployment rate is the weighted average of the first nine months of the year.

c/ Census areas may not sum to total due to rounding errors.

Sources: Annual Planning Information, Alaska Department of Labor, 1985. U.S. unemployment rate from the Survey of Current Business, U.S. Department of Commerce, Bureau of Economic Analysis.

Table C.4

Alaska-U.S. Location Quotient a/

Industry	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Mining	3.684	2.911	2.378	2.142	2.607	2.404	2.353	3.065	3.355	3.264	3.435	3.827	3.489	3.670
Construction	1.473	1.466	1.434	1.337	2.136	3.496	3.908	2.551	1.510	1.220	1.296	1.509	1.924	2.180
Manufacturing	.310	.305	2.97	.324	.292	.251	.251	.277	.304	.325	.369	.340	.300	.279
Tran. Com. & Ut.	1.546	1.599	1.555	1.562	1.600	1.730	1.590	1.710	1.719	1.753	1.760	1.735	1.619	1.579
Trade	.783	.767	.758	.772	.760	.733	.718	.772	.770	.782	.762	.791	.820	.852
Wholesale Trade	.623	.588	.575	.557	.558	.638	.620	.630	.596	.570	.549	.594	.610	.644
Retail Trade	.841	.831	.822	.847	.831	.766	.751	.821	.830	.856	.837	.861	.893	.926
Fin. Ins. & R. Es.	.652	.627	.671	.733	.721	.690	.769	.875	1.011	.910	.827	.804	.804	821
Services & Misc.	.772	.792	.856	.882	.879	.899	.917	.909	.904	.920	.889	.868	.869	.837
Government	2.171	2.150	2.147	2.112	1.886	1.531	1.489	1.621	1.802	1.839	1.790	1.745	1.683	1.663
State	2.982	3.115	3.282	3.289	2.846	2.202	1.995	2.063	2.152	2.284	2.246	2.234	2.211	2.174
Local	.865	.879	.906	.907	.842	.772	.825	.958	1.138	1.226	1.175	1.176	1.135	1.152
Federal Civilian	4.803	4.674	4.538	4.506	4.028	3.174	3.035	3.269	3.658	3.403	3.307	3.092	2.890	2.737

a/ The ratio of Alaska sector employment relative to total Alaska employment, divided by the ratio of U.S. industry employment relative to total U.S. employment. A location quotient larger than one indicates a relatively high industry employment in Alaska, in comparison to the U.S.

Source: Tables C.2 and 0.3.

D. CONSUMER PRICES

FIGURES

Figure D.1 Anchorage and U.S. Consumer Price Indices
Figure D.2 Anchorage and U.S. CPI Percent Change
Figure D.3 Anchorage CPI Components

TABLES

Table D.1 Anchorage Metropolitan Area Consumer Price Index, All Urban Consumers: 1971-1984
Table D.2 Anchorage Metropolitan Area Consumer Price Index, All Urban Consumers: Bimonthly 1984
Table D.3 U.S. and Anchorage Price Indices and Purchasing Power of the Dollar
Table D.4 Minimum Cost of Food at Home for a Week in September 1983 and September 1984
Table D.5 Minimum Energy and Lumber Costs: September 1983 and September 1984
Table D.6 Sales and Property Tax Rates of Selected Alaska Cities: 1982-1984

Figure D.1

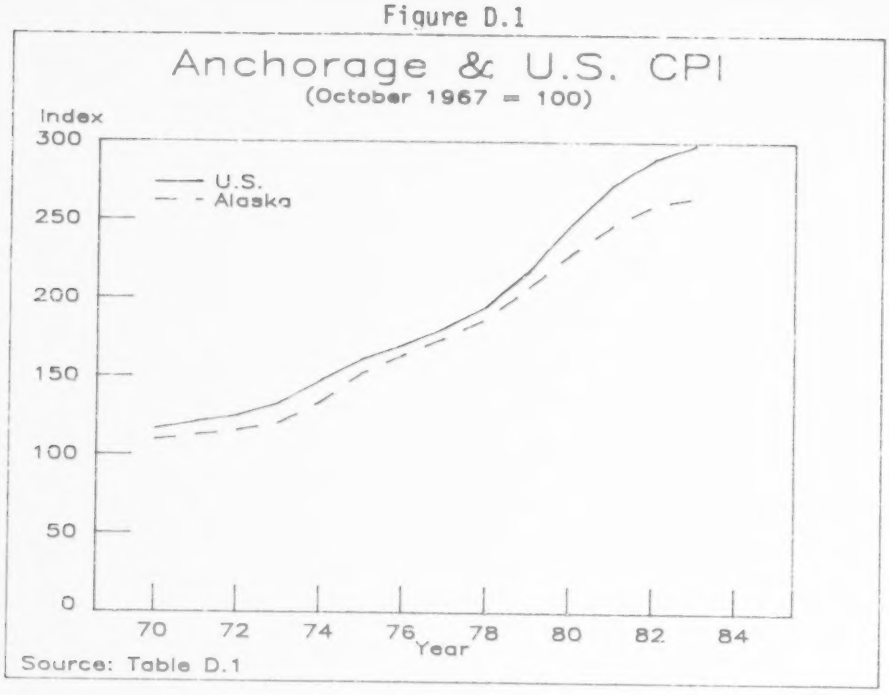


Figure D.2

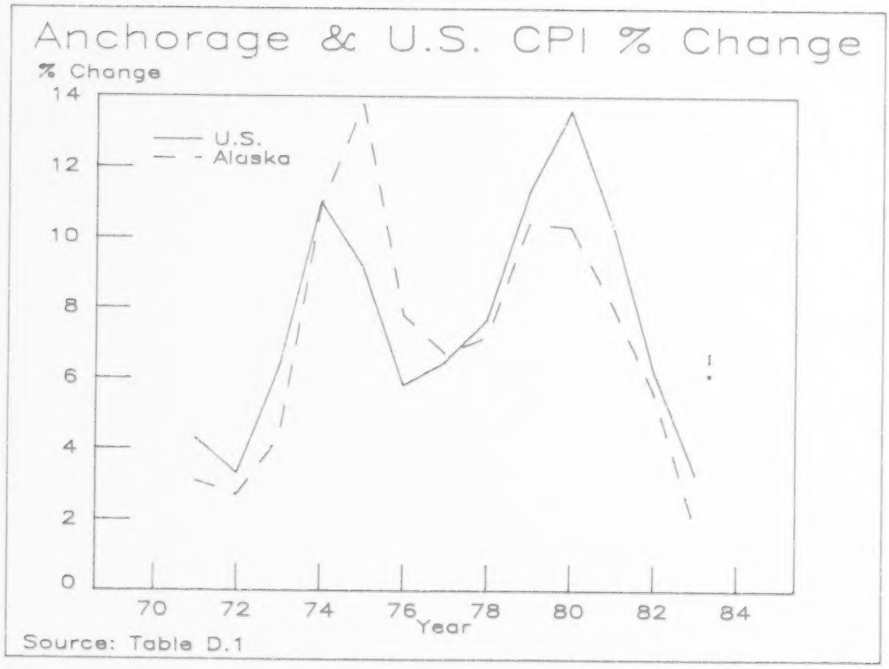
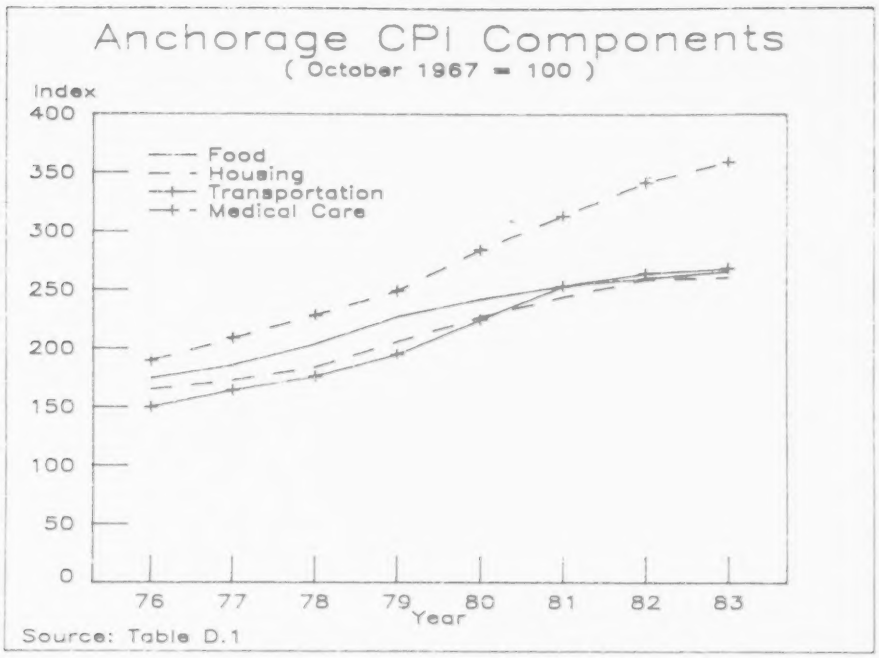


Figure D.3



Source: Table D.1

Table D.1

Anchorage Metropolitan Area Consumer Price Index,
All Urban Consumers: 1971-1984

Consumption Category	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
	(Oct. 1967=100, unless otherwise noted)													
Food and Beverages	-	-	-	-	-	187.4	201.2	221.7	245.3	261.9	275.4	283.8	291.2	301.3
Food	109.2	113.1	124.4	145.7	167.6	174.2	185.8	204.1	227.2	242.2	253.6	260.4	266.8	275.8
Food at Home	-	113.0	127.2	152.5	168.6	172.6	184.6	205.4	227.4	243.5	249.1	254.8	259.6	268.4
Food away from Home	-	11							0	246.0	267.0	277.4	286.9	297.2
Alcholic Beverages	-	-	-	-	-	143.2	159.6	179.3	188.9	203.6	222.1	236.2	244.8	255.3
Housing	-	-	-	-	-	165.2	172.9	184.1	205.9	226.8	244.1	259.1	261.4	271.0
Shelter	115.2	117.9	121.7	128.6	140.1	148.9	155.3	167.9	190.1	210.5	225.5	240.6	240.5	251.2
Renters' Costs a/	-	-	-	-	-	-	-	-	-	-	-	100.0	107 0	111.7
Rent, Residential	109.5	111.2	112.1	114.4	125.5	143.2	152.9	160.4	161.1	158.3	169.1	206.6	239.3	248.6
Homeowners' costs a/	-	-	-	-	-	-	-	-	-	-	-	100.0	103.6	108.4
Fuel & Other Utilities	106.1	110.1	111.6	132.2	148.9	162.1	170.4	172.3	182.7	196.4	220.0	225.1	247.2	262.9
Furnishings & Operation	-	-	-	-	-	215.0	225.8	234.8	253.4	274.9	297.7	313.8	321.5	322.8
Apparel and Upkeep	-	-	-	-	-	143.5	149.1	147.1	150.4	166.5	175.1	176.3	181.6	202.0
Transportation	111.4	111.8	113.1	122.6	134.6	149.9	164.5	176.3	194.9	224.6	253.2	264.6	269.2	285.9
Private Transportation	111.5	111.9	113.1	122.3	135.5	153.4	169.6	182.5	202.8	231.2	256.2	264.2	265.8	282.1
Public Transportation	109.6	109.6	112.0	122.7	127.7	126.9	131.0	135.1	142.5	181.0	234.6	269.1	293.8	313.6
Medical Care	126.7	129.2	134.4	149.5	168.9	189.4	208.8	228.6	249.1	284.1	313.1	341.8	359.2	380.3
Entertainment	-	-	-	-	-	166.1	179.0	187.4	192.4	204.0	221.6	244.4	259.7	270.1
Other Goods and Services	-	-	-	-	-	160.7	171.7	180.7	193.7	209.4	222.1	234.9	255.8	265.3
Energy c/ d/	-	-	-	-	-	-	-	100.0	119.4	151.6	175.8	175.4	174.3	176.3
All Items	112.9	115.9	120.8	133.9	152.3	164.1	175.0	187.5	207.0	228.2	246.5	260.1	264.8	275.6
All Items Less Shelter	-	-	-	-	-	175.1	188.0	200.3	217.3	238.9	259.6	271.7	281 8	293.0
All Items Less Med. Care	-	-	-	-	-	166.5	177.2	189.4	209.2	230.4	248.7	262.0	266.4	277.1
All Items Less Energy b/	-	-	-	-	-	-	100.0	104.8	115.1	125.7	135.0	143.1	146.0	152.4
All Items U.S.	121.3	125.3	133.1	147.7	161.2	170.5	181.5	195.4	217.4	246.8	272.4	289.1	298.4	311.1

a/ November 1982=100.
b/ January 1978=100.
c/ June 1978=100.
d/ Excludes motor oil, coolant and other products as of January 1983.

Source: U.S. Department of Labor, Bureau of Labor Statistics, San Francisco.

Table D.2

Anchorage Metropolitan Area Consumer Price Index,
All Urban Consumers: Bimonthly 1984

Consumption Category	Jan. 1984	March 1984	May 1984	July 1984	Sept. 1984	Nov. 1984	1984 Annual
	(October 1967=100, unless otherwise noted)						
Food and Beverages	298.5	300.7	301.7	301.5	301.4	303.0	301.3
Food	272.9	275.3	276.1	276.0	275.9	277.4	275.8
Food at Home	265.8	268.5	270.5	268.3	267.0	269.1	268.4
Food away from Home	293.8	294.9	293.8	298.0	300.4	300.8	297.2
Alcoholic Beverages	254.8	254.3	256.3	255.2	255.1	255.9	255.3
Housing	268.5	271.6	271.9	269.9	272.4	271.0	271.0
Shelter	249.2	251.0	252.4	251.3	252.1	250.7	251.2
Renters' Costs a/	110.5	111.7	112.4	111.0	112.3	111.7	111.7
Rent, Residential	247.2	250.0	250.3	246.8	249.9	247.4	248.6
Homeowners' Costs a/	107.7	108.3	108.8	108.7	108.6	108.0	108.4
Homeownership							
Fuel & Other Utilities	257.3	261.8	262.9	260.0	259.8	272.2	262.9
Furnishings & Operation	320.7	327.1	322.9	318.8	328.4	318.9	322.8
Apparel and Upkeep	200.1	203.1	198.3	201.5	207.8	201.7	202.0
Transportation	277.7	280.4	284.9	287.0	289.5	292.4	285.9
Private Transportation	276.8	276.9	281.6	283.0	284.9	286.6	282.1
Public Transportation	285.1	305.4	308.9	315.6	322.2	333.0	313.6
Medical Care	373.7	377.5	377.6	380.5	384.7	384.4	380.3
Entertainment	263.2	266.8	267.0	272.2	275.0	273.7	270.1
Other Goods and Services	260.2	263.5	264.8	265.9	268.8	265.7	265.3
Energy c/ d/	176.0	177.4	175.4	174.6	174.3	179.8	176.3
All Items	271.4	274.4	275.3	275.5	277.9	277.5	275.6
All Items Less Shelter	287.9	291.3	292.1	292.8	295.9	295.9	293.0
All Items Less Medical Care	272.9	275.9	276.8	276.9	279.3	278.9	277.1
All Item Less Energy b/	149.9	151.7	152.3	152.4	153.9	153.3	152.4

1/ November 1982=100.
2/ January 1978=100.
3/ June 1978 = 100.
4/ Excludes motor oil, coolant and other products as of January 1983.

Source: U.S. Department of Labor, Bureau of Labor Statistics, San Francisco.

Table D.3

U.S. and Anchorage Price Indices
and Purchasing Power of the Dollar

Year	Consumer Price Index		Producer Price Index	Purchasing Power of the Dollar	
	U.S.	Anchorage	U.S.	U.S.	Anchorage
1970	116.3	109.6	110.4	1.000	1.000
1971	121.3	112.9	114.0	.959	.971
1972	125.3	115.9	119.1	.929	.946
1973	133.1	120.8	134.7	.874	.908
1974	147.7	133.9	160.1	.788	.819
1975	161.2	152.3	174.9	.772	.720
1976	170.5	164.1	183.0	.683	.668
1977	181.5	175.0	194.2	.641	.627
1978	195.4	187.5	209.3	.596	.585
1979	217.4	207.0	235.6	.535	.530
1980	246.8	228.2	268.8	.472	.481
1981	272.4	246.5	293.4	.427	.445
1982	289.1	260.1	299.3	.403	.422
1983	298.4	264.8	303.1	.390	.414
1984	311.1	275.6	NA	.374	.398

Sources: For the U.S. producer and consumer Price Indices, Statistical Abstract of the United States 1984, U.S. Department of Commerce, Bureau of the Census. For the Anchorage consumer price index, News, U.S. Department of Labor, Bureau of Labor Statistics.

Table D.4

Minimum Cost of Food at Home For a Week

September 1983

	Anchorage	Bethel	Fairbanks	Juneau	Kenai/ Soldotna	Kodiak	Nome	Petersburg	Sitka	U.S. Average
					(dollars per week)					
Family of 2:										
20-50 yrs	48.25	75.81	49.51	52.37	51.40	62.01	76.90	52.67	59.42	44.20
51 yrs & over	46.18	72.55	47.38	50.12	49.19	59.34	73.60	50.40	56.86	42.30
Family of 4:										
Preschool Children	69.54	109.26	71.36	75.47	74.07	89.37	110.83	75.90	85.63	63.70
Elem. School Children	81.66	128.30	83.79	88.62	86.98	104.94	130.14	89.13	100.55	74.80
Percent of Anchorage a/	100	157	103	109	107	129	159	109	123	-
Percent of U.S. a/	109	172	112	118	116	140	174	119	134	100

September 1984

	Anchorage	Bethel	Cordova	Dillingham	Fairbanks	Juneau	Kenai/ Soldotna	Ketchikan	Kodiak	Mat-Su	Nome	U.S. Average
						(dollars per week)						
Family of 2:												
20-50 yrs	49.82	80.76	77.99	80.18	53.98	54.22	52.03	55.70	68.60	51.52	84.03	45.90
51 yrs & over	47.75	77.42	74.76	76.86	51.75	51.97	49.88	53.39	65.76	49.39	80.56	44.00
Family of 4:												
Preschool Children	71.74	116.31	112.31	115.46	77.74	78.08	74.93	80.21	98.78	74.19	121.02	66.10
Elem. School Children	84.22	136.54	131.55	135.55	91.26	91.66	87.97	94.16	115.97	87.10	142.07	77.60
Percent of Anchorage a/	100	162	157	161	108	109	104	112	138	103	169	-
Percent of U.S. a/	109	176	170	175	118	118	113	121	149	112	183	100

a/ These percentages apply to all family categories, owing to the computational process by which the food cost are obtained. Food prices in grocery stores are surveyed in each community for a standard market basket of goods. Subsequently, the U.S. Department of Agriculture's U.S. averages are applied to obtain the cost estimates for each family category.

Source: Cost of Food at Home for a Week, U.S. Department of Agriculture, Cooperative Extension Service.

Table D.5

Minimum Energy and Lumber Costs

	Anchorage	Bethel	Cordova	Dillingham	Fairbanks	Juneau a/	Kenai Soldotna	Ketchikan	Kodiak	Mat-Su	Nome	Petersburg
					(dollars)							
September 1983 b/												
Electricity, 1,000 kwh c/	47.40	191.15	NA	NA	86.78	46.00	47.40	NA	NA	NA	202.00	100.10
Heating Oil, 55 gal.	62.27	77.73	NA	NA	65.08	83.00	62.27	NA	NA	NA	85.25	57.04
Gas, unleaded, 55 gal.	74.75	85.85	NA	NA	70.40	78.65	74.75	NA	NA	NA	97.35	84.15
Lumber, 2 x 4 x 8	2.28	2.81	NA	NA	3.92	2.50	2.28	NA	NA	NA	3.55	2.25
Water & Sewer, 1000 gal.	26.99	143.11	NA	NA	26.57	45.84	26.99	NA	NA	NA	41.60	34.60
Percent of Anchorage:												
Electricity	100	403	NA	NA	183	97	100	NA	NA	NA	426	211
Heating Oil	100	125	NA	NA	105	133	100	NA	NA	NA	137	92
Gas, unleaded	100	115	NA	NA	94	105	100	NA	NA	NA	130	113
Lumber	100	123	NA	NA	172	110	100	NA	NA	NA	156	99
Water & Sewer	100	530	NA	NA	98	170	100	NA	NA	NA	154	128
September 1984 b/												
Electricity, 1000 kwh c/	60.47	148.05	190.00	194.28	104.91	117.05	64.35	78.00	158.90	79.05	159.00	NA
Heating Oil, 55 gal.	81.55	68.45	61.00	77.55	72.05	56.56	60.50	61.60	55.39	59.95	79.75	NA
Natural Gas, 100 c.f. d/	.22	-	-	-	-	-	40/.27	-	-	-	-	-
Gas, unleaded 55 gal.	59.95	99.00	79.42	88.28	75.35	79.35	72.60	79.20	65.45	70.13	96.20	NA
Lumber, 2 x 4 x 8	2.00	2.99	3.04	2.40	2.61	1.86	1.96	1.75	2.97	1.75	3 75	NA
Water & Sewer, 1000 gal.	28.30	143.00	26.52	27.38	NA	34.67	35.70	17.80	37.50	NA	70.00	NA
Percent of Anchorage:												
Electricity	100	245	314	321	173	194	106	129	263	131	263	NA
Heating Oil	100	84	75	95	88	69	74	76	68	74	98	NA
Gas, unleaded	100	165	132	147	126	132	121	132	109	117	160	NA
Lumber	100	150	152	120	131	93	98	88	149	88	188	NA
Water & Sewer	100	505	94	97	NA	123	126	63	133	NA	247	NA

a/ Juneau's higher electricity rate in September 1984 may be due to both rate increase and change in production costs. In June 1984 Juneau's electricity rate per 1000 kwh was $52.80.

b/ In 1984 the Cooperative Extension Service added community sales tax to the values shown for Bethel, Cordova, Dillingham, Juneau, Kenai/Soldotna, and Ketchikan.

c/ Including Surcharge.

d/ Natural gas data, recorded in June and July of 1984, are residential costs for the first 2000 cubic feet. Anchorage has an additional $ 4.50/month charge.

Sources: Cost of Food at Home for a Week, U.S. Department of Agriculture, Cooperative Extension Service. Natural gas costs from Alaska Community Profiles for Anchorage, Kenai and Soldotna, Alaska Department of Commerce & Economic Development.

Table D.6

Sales and Property Tax Rates of Selected Cities: 1982-1984

City Proper	Sales Tax			Property Tax		
	1982	1983	1984	1982	1983	1984
	(mills)			(percent)		
Anchorage	0.00	0.00	0.00	7.18	8.89	9.91
Barrows	6.00	6.00	6.00	16.70	16.42	18.37
Bethel	5.00	5.00	5.00	0.00	0.00	0.00
Cordova	4.00	4.00	4.00	1.00	1.00	1.00
Dillingham	3.00	3.00	3.00	3.00	3.00	3.00
Fairbanks	0.00	0.00	0.00	6.90	7.70	8.80
Haines	4.00	4.00	3.00	8.00	7.60	10.00
Homer	3.00	2.00	4.00	8.40	14.96	10.53
Juneau	3.00	1.00	4.00	11.87	10.42	8.92
Kenai	5.00	5.00	5.00	3.93	5.49	4.36
Ketchikan	4.00	4.00	4.00	5.80	9.40	12.00
Kotzebue	3.00	3.00	3.00	0.00	0.00	0.00
Nome	3.00	3.00	0.00	7.00	9.00	9.00
Palmer	0.00	0.00	0.00	8.90	11.30	11.30
Petersburg a/	5.00	5.00	5.00	2.00	3.40	6.00
Seward	2.00	2.00	3.00	6.25	7.50	6.75
Sitka	4.00	4.00	4.00	3.00	3.00	3.00
Valdez a/	0.00	0.00	0.00	6.90	11.79	11.58
Wrangell a/	0.00	0.00	5.00	3.10	1.60	2.80
Yakutat	0.00	0.00	2.00	13.70	12.30	12.30

a/ For these cities taxes are given for Zone I

Source: Alaska Taxable, Alaska Department of Community and Regional Affairs, 1984.

E. ALASKA STATE GOVERNMENT

E

FIGURES

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Figure E.2 1984 Components of General Fund Revenues
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Figure E.4 Alaska State Loans: Value Outstanding

TABLES

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Figure E.1

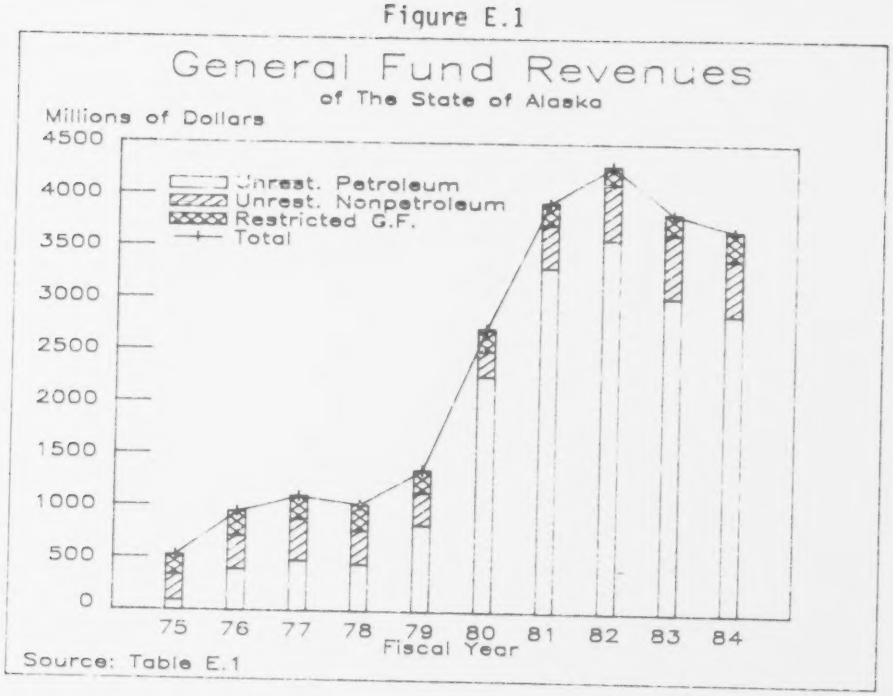
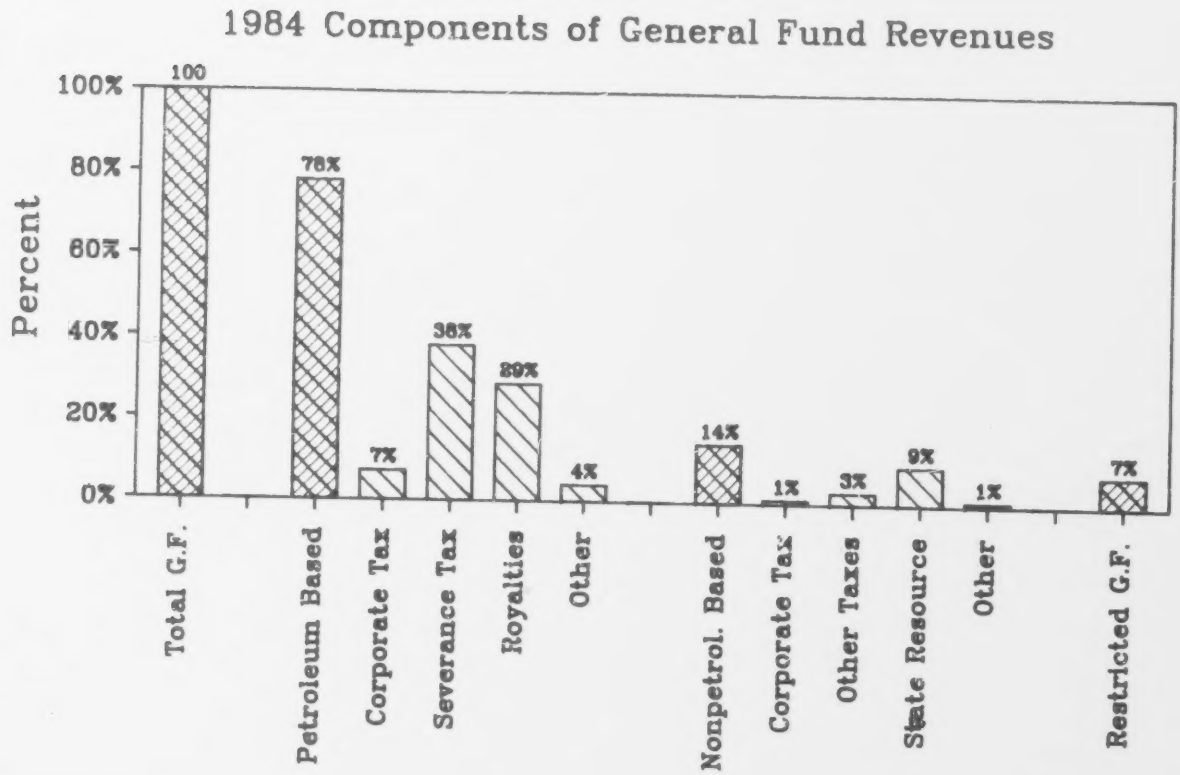


Figure E.2



Source: Table E.1

Figure E.3

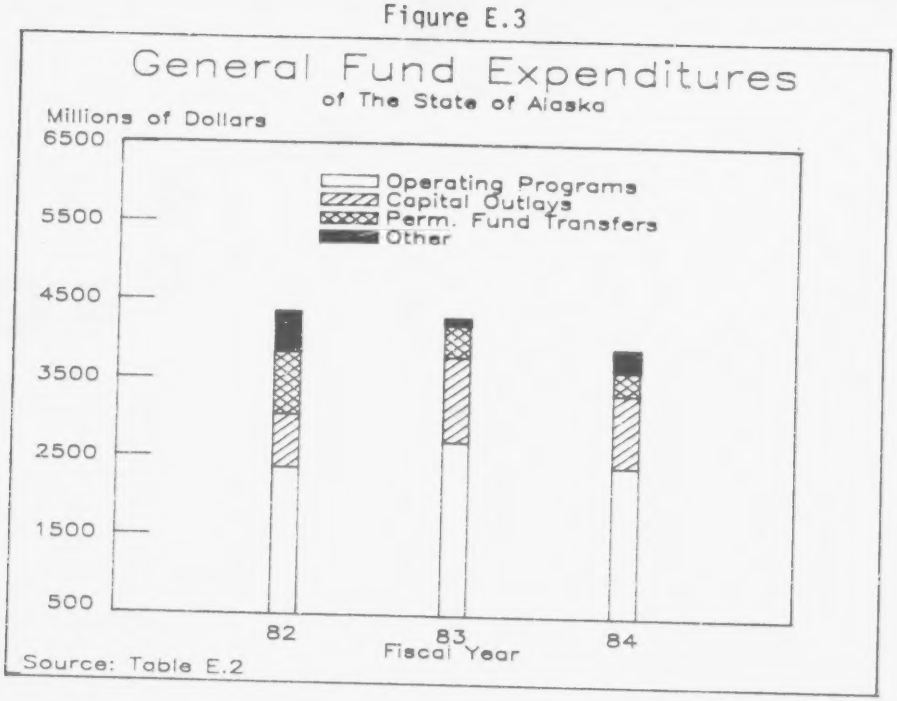


Figure E.4

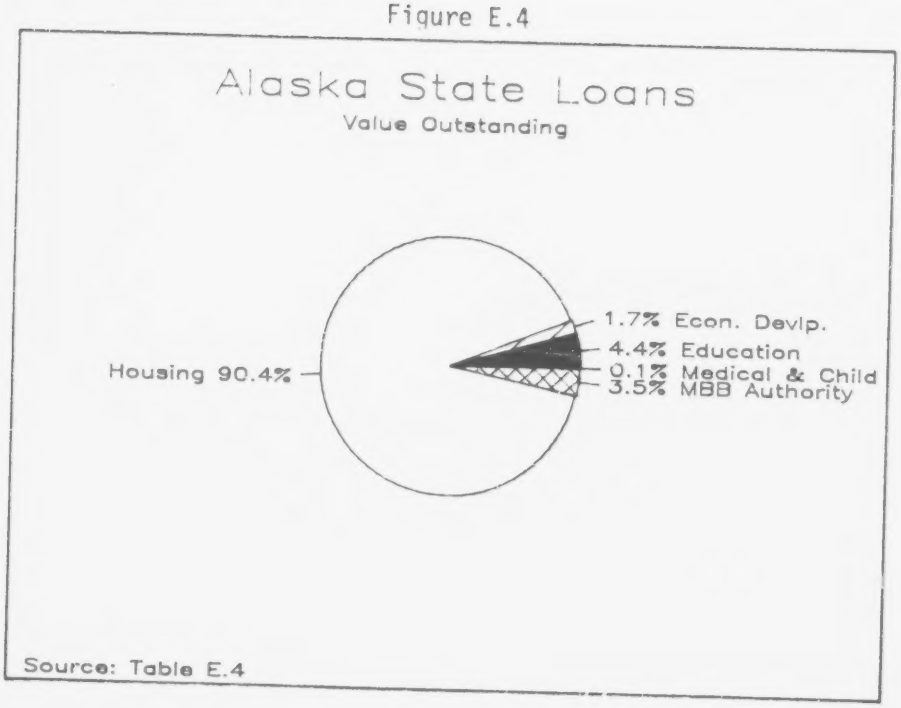


Table E.1

General Fund Revenues of the Alaska State Government

Fund Category	FY '71	FY '72	FY '73	FY'74	FY '75	FY '76	FY '77	FY '78	FY '79
			(millions of dollars)						
TOTAL GENERAL FUNDS a/	333.6	346.6	347.6	NA	521.1	945.1	1,096.4	1,012.7	1,350.1
UNRESTRICTED GENERAL FUNDS	220.4	219.2	208.2	254.9	333.4	709.8	874.3	764.9	1,133.0
Petroleum Based Revenue	47.0	48.4	50.3	80.2	90.4	391.5	477.6	441.5	821.6
Corporate Income Tax	.9	1.2	.9	1.2	2.5	4.9	5.0	8.4	232.6
Severance Tax	10.5	11.4	12.0	14.8	26.6	28.0	23.8	107.7	173.8
Royalties & Rents	26.8	27.6	26.9	32.3	43.9	47.0	37.1	151.4	250.8
Property Tax	0.0	0.0	0.0	0.0	6.6	83.4	139.1	173.0	163.4
Miscellaneous Revenues b/	8.8	8.2	10.5	31.9	10.8	228.2	272.6	1.0	1.0
Nonpetroleum Based Revenue	173.4	170.8	157.9	174.7	243.0	318.3	396.7	323.4	311.4
Corporate Income Tax	5.2	5.3	5.9	7.0	14.8	26.2	30.8	25.1	24.8
Other Taxes	67.0	71.4	77.4	86.7	135.1	214.1	283.4	223.6	206.0
Licenses & Permits	8.7	9.1	9.8	10.9	13.6	16.4	16.1	19.1	19.8
State Resources Rev. c/	90.7	82.7	62.6	60.7	71.3	56.4	62.0	71.5	96.1
Miscellaneous Revenues d/	1.8	2.3	2.2	9.4	8.2	5.2	4.4	6.5	10.3
RESTRICTED GENERAL FUNDS	113.2	127.4	139.4	NA	187.7	235.3	222.1	247.8	217.1

a/ Total general fund revenues are the sum of unrestricted and restricted general funds minus Native claims payments made between 1978-1980 -- $22.4 million in 1978, $45.6 million in 1979 and $131.4 million in 1980.
b/ Miscellaneous petroleum revenues include federal mining rents and royalties, bonus sales and reserve tax.
c/ This entry is net of petroleum resource revenues, which are bonus sales, royalties and rents
d/ This entry includes federal shared revenues net of federal mining rents and other miscellaneous items.

Source: Tables 2-4 of Revenue Sources FY 1984-1987, Alaska Department of Revenue, January 1985.

Table E.1 (Continued)

General Fund Revenues of the Alaska State Government

Fund Category	FY '80	FY '81	FY '82	FY '83	FY '84	Estimate FY '85	Estimate FY '86	Estimate FY '87
			(millions of dollars)					
TOTAL GENERAL FUNDS a/	2,714.8	3,927.2	4,284.2	3,824.4	3,664.8	NA	NA	NA
UNRESTRICTED GENERAL FUNDS	2,051.2	3,718.2	4,108.4	3,631.0	3,390.1	3,314.7	3,312.1	3,284.8
Petroleum Based Revenue	2,256.5	3,304.3	3,574.8	3,026.6	2,861.6	2,771.8	2,798.8	2,788.2
Corporate Income Tax	547.5	860.1	668.9	236.0	265.1	250.1	275.0	300.0
Severance Tax	506.5	1,170.2	1,581.7	1,493.7	1,393.1	1,344.1	1,296.3	1,269.2
Royalties & Rents	690.0	1,122.2	1,159.4	1,080.9	1,051.3	1,036.9	1,068.0	1,024.0
Property Tax	168.9	143.0	142.7	152.6	131.0	121.0	148.0	183.0
Miscellaneous Revenues b/	343.6	8.8	22.1	63.4	21.0	19.7	11.5	12.0
Nonpetroleum Based Revenue	244.7	413.9	533.6	604.4	528.5	542.9	513.3	496.6
Corporate Income Tax	17.9	34.8	34.8	30.3	39.5	43.0	44.0	45.0
Other Taxes	171.5	74.5	86.1	96.1	108.3	118.6	104.3	107.7
Licenses & Permits	18.8	21.3	23.8	25.7	26.7	27.0	28.0	29.0
State Resources Rev. c/	157.6	270.5	376.5	435.3	341.5	341.3	324.0	301.9
Miscellaneous Revenues d/	10.3	12.8	12.4	17.0	12.5	13.0	13.0	13.0
RESTRICTED GENERAL FUNDS	213.6	209.0	175.8	193.4	274.7	NA	NA	NA

a/ Total General Fund revenues are the sum of unrestricted and restricted general funds minus Native claims payments made between 1978-1980. These payments were $22.4 million in 1978, $45.6 million in 1979, and $131.4 million in 1980.

b/ Miscellaneous petroleum revenues include federal mining rents and royalties, bonus sales and reserve tax.

c/ Net of petroleum resource revenues, which are bonus sales, royalties, and rents.

d/ Miscellaneous nonpetroleum revenues include federal shared revenues net of federal mining rent and other miscellaneous items.

Source: Tables 2-4 of Revenue Sources FY 1984-1987, Alaska Department of Revenue, January 1985.

Table E.2

General Fund Expenditures of the State of Alaska

Expenditure Category	FY '82	FY '83	FY '84
	(millions of dollars)		
Total Expenditures	4,353.7	4,295.6	3,931.4
Operating Programs	2,370.9	2,712.2	2,419.0
Debt Service	102.4	142.5	166.0
Municipal Grants & Aids a/	116.5	23.5	18.9
Special Programs b/	222.0	425.1	-
Other	1,930.1	2,121.1	2,234.1
Capital Outlay Projects c/	677.1	1,086.0	926.4
Dept. of Transportation d/	203.7	202.0	208.9
Debt service	-	-	-
Municipal Grants	178.5	333.3	336.9
Other e/	267.9	550.7	380.6
Permanent Fund Transfers	800.0	400.0	300.0
Transfers to Other Funds	348.0	49.1	242.7
Disbursements Related to Prior Year	157.7	47.9	43.2
Operating Programs Less Debt Service & Muni. Grants by Expenditure Category f/	2,152.0	2,546.2	2,234.1
Education	659.6	758.6	833.7
Social Services	182.4	242.7	294.6
Health	126.3	84.1	83.7
Natural Resource Mgmt.	139.3	177.6	141.4
Public Protection	37.0	51.6	45.0
Administration of Justice	135.9	146.4	174.1
Development	476.6	216.4	207.7
Transportation	207.9	229.8	230.0
General Government	187.0	637.9	223.8

a/ Municipal grants in the operating budget category appear to include some capital projects as well.

b/ In 1982 special programs included special mortgage purchase by AHFC and in 1983 it included special items under Deptartment of Revenue.

c/ In addition to direct appropriations from the General Fund, the State finances capital projects from the proceeds of general obligation bond sales.

d/ In 1984 about 72 percent of the expenditures of the Department of Transportation and Public Facilities (DOTPF) were for transportation systems - highways, airports, harbors, docks.

e/ Includes building construction, equipment purchases, other acquisitions and some transportation system construction not considered under the expenditures of DOTPF.

f/ In 1983 the Department of Aministration switched from a program to an agency accounting system. Therefore, 1983 and 1984 operating budget allocations by function categories given here are only estimates.

Source: Annual Financial Report, State of Alaska, Department of Administration.

Table E.3

The Fund Balances of the State Alaska State Government

	FY '82	FY '83	FY '84
	(millions of dollars)		
General Fund Revenues			
Resources Available During the Year	6,688.0	6,450.0	6,022.6
Beginning Balance	2,187.1	2,334.3	2,154.4
Unrestricted Revenue a/	4,052.9	3,587.8	3,472.8
Restricted Revenue a/	421.1	436.9	463.1
Transfers and Adjustments	26.9	91.0	(67.7)
Total Expenditures During the Year	4,353.7	4,295.6	3,931.4
Operating Program Expenditures	2,370.9	2,712.2	2,419.0
Capital Projects Expenditures	677.1	1,086.3	926.4
Permanent Fund Transfers	800.0	400.0	300.0
Transfers to other funds	348.0	49.1	242.7
Disbursement Related to Prior Year	157.7	47.9	43.2
Ending Balance	2,334.3	2,154.4	2,091.3
Permanent Fund			
Total Funds Available	3,396.2	4,504.8	5,570.6
Beginning Balance	1,827.2	3,212.8	4,375.0
General Fund Appropriations	800.0	400.0	300.0
Royalties and Other Receipts	400.5	420.9	366.2
Investment Income	368.4	471.1	529.4
Uses of the Fund	183.4	129.8	195.8
Unrealized Loss on Stock	-	-	20.9
Transfers to Other Funds	183.4	129.8	174.9
Ending Balance	3,212.8	4,375.0	5,374.8

a/ Due to different accounting methods used by the Department of revenue and the Department of Administration these numbers do not match similar entries given in Table E.1.

Source: Annual Financial Report, Department of Administration.

Table E.4

Alaska State Loan Programs
Dollar Amount and Number of Loans Outstanding

Loan Type	Fiscal Year 1981	1982	1983	1984
		(thousands of dollars)		
EDUCATION - Student Loan 1/	53,739	97,851	152,859	185,495
MEDICAL & CHILD CARE				
Medical Malpractice 2/	3,000	3,000	3,000	3,000
Medical Facility Autho.	11,715	11,410	11,085	12,767
Child Care Fac. 2/	86	352	432	671
ECONOMIC DEVELOPMENT				
Small Business 2/	75,568	n/a	66,220	71,065
Tourism 2/	4,992	4,300	6,844	6,342
Mining 2/	9,020	9,347	9,045	19,000
Fishing 2/				
Commercial Fishing	80,980	72,377	78,782	80,250
Fisheries Enhancement	9,297	19,884	23,722	33,989
Energy & Water Res. 2/				
Power Development 3/	22,124	5,029	4,862	29,229
Rural Electrification 3/	n/a	n/a	1,770	3,845
Residential Energy	60	n/a	5,017	5,251
Alternative Energy	975,165	n/a	7,852	10,806
Bulk Fuel 2/	0	688	1,685	404
Water Resources	2,500	909	0	910
Agriculture 4/	22,194	33,370	40,136	44,516
Alaska Resources Corp. a/	17,519	19,846	16,743	19,105
AIDA 5/	12,660	204,129	136,424	222,004 c/
HOUSING & RENOVATION				
AHFC 6/	1,366,592	2,075,913	2,786,287	3,800,751
Veterans' Loan 2/ b/	244,102	227,293	210,660	94,384
Housing Assistance 7/	6,265	27,208	n/a	102,189
Historical Districts 2/	117	332	393	255
MUNICIPAL BOND BANK AUTHORITY	75,105	119,685	150,000	145,462
TOTAL OUTSTANDING LOANS				
Value	1,771,883	2,759,622	3,913,712	4,978,349
Number	53,548	67,419	398,015	121,680

Notes: Various loan programs are under the following numbered state agencies: 1/ Department of Education; 2/ Department of Commerce & Economic Development (DCED); 3/ Alaska Power Authority of DCED; 4/ Department of Natural Resources; 5/ Alaska Industrial Development Authority of DCED; 6/ Alaska Housing Finance Corporation of DCED; 7/ Department of Community and Regional Affairs.

a/ Alaska Resources Corporation loans include agriculture, fish and forestry loans.
b/ Veterans' loans include both housing and small business loans.
c/ Does not include $120,053,409 balance in loans appropriated to AIDA.

Source: State Loan Programs: Annual Activity Report, House Research Agency, Alaska State Legislature.

Table E.5

Alaska State Loan Programs
Dollar Amount and Number of Approved During the Fiscal Year

Loan Type	Fiscal Year 1981	1982	1983	1984
		(thousands of dollars)		
EDUCATION - Student Loan 1/	15,991	40,559	56,219	62,912
MEDICAL & CHILD CARE				
Medical Malpractice 2/	0	0	0	0
Medical Facility Autho.	0	0	0	2,062
Child Care Fac. 2/	9	296	358	392
ECONOMIC DEVELOPMENT				
Small Business 2/	46,899	n/a	0	0
Tourism 2/	4,319	0	0	0
Mining 2/	9,936	7,261	8,525	3,863
Fishing 2/				
Commercial Fishing	10,403	8,304	14,045	13,915
Fisheries Enhancement	7,074	9,192	6,978	6,775
Energy & Water Res. 2/				
Power Development 3/	12,626	2,900	16,700	7,500
Rural Electrification 3/	n/a	n/a	2,108	2,305
Residential Energy	605	2,501	3,450	1,280
Alternative Energy	2,254	5,623	4,666	3,510
Bulk Fuel 2/	50	785	1,685	1,980
Water Resources	0	0	0	0
Agriculture 4/	8,814	17,565	5,008	8,400
Alaska Resources Corp. a/	9,947	3,241	1,801	1,498 c/
AIDA 5/	43,085	49,557	253,330	207,886
HOUSING & RENOVATION				
AHFC 6/	446,895	870,447	1,030,131	1,256,828
Veterans' Loan 2/ b/	296	430	0	0
Housing Assistance 7/	6,265	20,942	49,525	49,690
Historical Districts 2/	110	220	75	100
MUNICIPAL BOND BANK AUTHORITY	25,236	57,053	26,985	6,950
TOTAL APPROVED LOANS				
Value	887,111	1,086,395	1,451,754	1,645,526
Number	29,913	24,499	30,221	29,826

Notes: Various loan programs are under the following numbered state agencies: 1/ Department of Education; 2/ Department of Commerce & Economic Development (DCED); 3/ Alaska Power Authority of DCED; 4/ Department of Natural Resources; 5/ Alaska Industrial Development Authority of DCED; 6/ Alaska Housing Finance Corporation of DCED; 7/ Department of Community and Regional Affairs.

a/ Alaska Resources Corporation loans include agriculture, fish and forestry loans.
b/ Veterans' loans include both housing and small business loans.
c/ Three quarters Only

Source: State Loan Programs: Annual Activity Report, House Research Agency, Alaska State Legislature.

F. BUSINESS ESTABLISHMENTS

FIGURES

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Figure F.2 Active Alaska Business Licenses
Figure F.3 Alaska Business Establishments by Sector
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Table F.4 Number of Business Establishments in Alaska by Census Area and by Industry Group
Table F.5 Alaska-U.S. Comparison of Number of Establishments per Thousand People and Employees per Establishment by Industry Group

Figure F.1

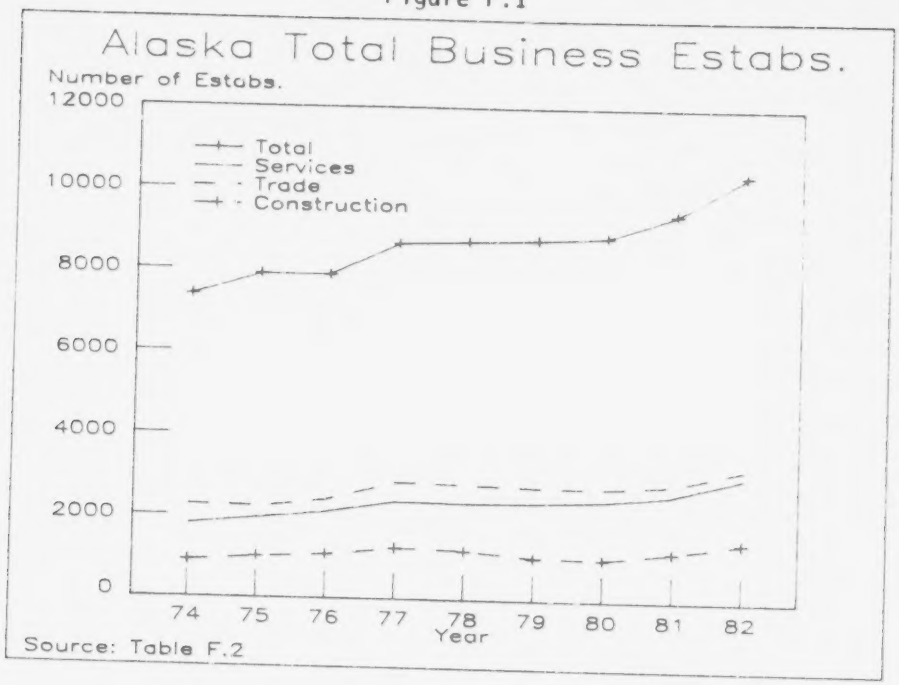

Figure F.2

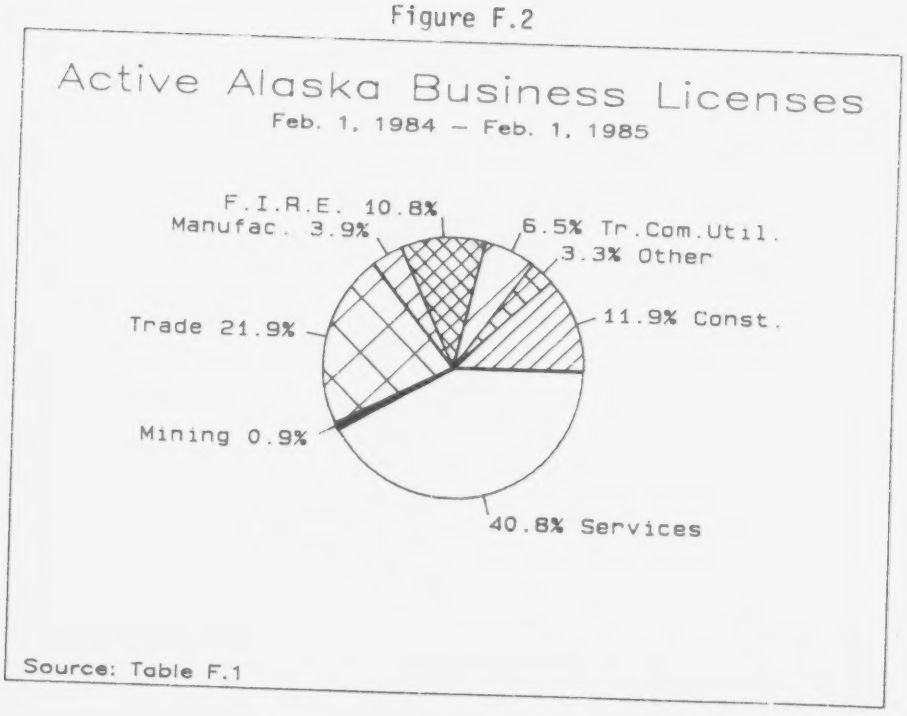

Figure F.3

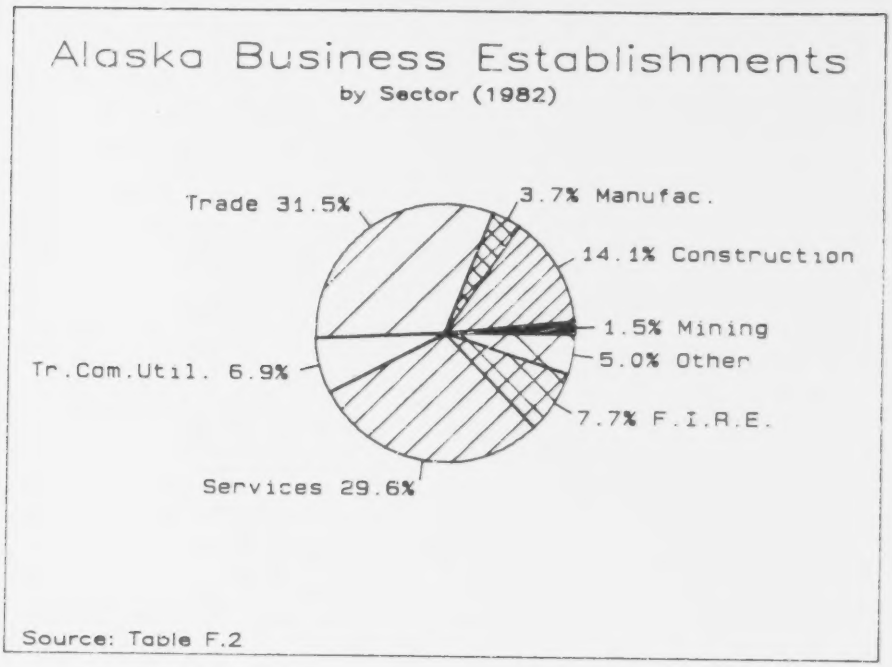

Figure F.4

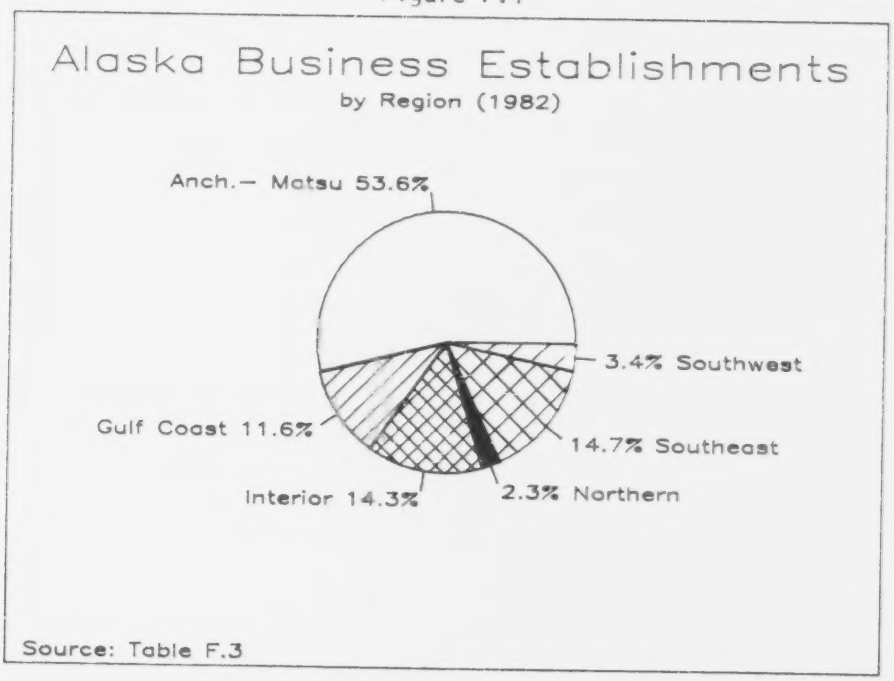

Table F.1

Alaska Business License Statistics by Selected Sectors and by Region
Feb. 1, 1984-Feb.1, 1985

Sector Region	License Activity Profile (number)				Sector License Distribution (percent of column total)				New Licenses As Percent of Current Year Active
	Nonrenewed	Current Year			Non-renewed	Current Year			
		New	Renewed	Active		New	Renewed	Active	
Sector Total	27,151	1,334	52,902	54,236	100.0	100.0	100.0	100.0	2.5
Agriculture	572	33	1,123	1,156	2.1	2.5	2.1	2.1	2.9
Forestry	38	2	61	63	0.1	0.1	0.1	0.1	3.2
Fisheries	161	2	389	391	0.6	0.1	0.7	0.7	0.5
Mining	124	5	273	278	0.5	0.4	0.5	0.5	1.8
Oil and Gas	64	0	237	237	0.2	0.0	0.4	0.4	0.0
Construction (bldg.)	2,589	83	5,887	5,970	9.5	6.2	11.1	11.0	1.4
Construction (other)	167	3	480	483	0.6	0.2	0.9	0.9	0.6
Fish Processing	63	1	76	77	0.2	0.1	0.1	0.1	1.3
Wood & Lumber Process	527	23	922	945	1.9	1.7	1.7	1.7	2.4
Refining	26	4	49	53	0.1	0.3	0.1	0.1	7.5
Other Manufacturing	578	14	1,032	1,046	2.1	1.0	2.0	1.9	1.3
Transportation	1,458	54	2,780	2,834	5.4	4.0	5.3	5.2	1.9
Communications	76	2	227	229	0.3	0.1	0.4	0.4	0.9
Utilities	208	29	442	471	0.8	2.2	0.8	0.9	6.2
Wholesale Trade	697	27	1,410	1,437	2.6	2.0	2.7	2.6	1.9
Retail Trade	6,051	278	10,153	10,431	22.3	20.8	19.2	19.2	2.7
Banking	17	2	99	101	0.1	0.1	0.2	0.2	2.0
Insurance & Real Est.	2,761	105	5,652	5,757	10.2	7.9	10.7	10.6	1.8
Hotels	255	15	615	630	0.9	1.1	1.2	1.2	2.4
Services	10,637	649	20,840	21,489	39.2	48.7	39.4	39.6	3.0
Government	28	2	41	43	0.1	0.1	0.1	0.1	4.7
Other	54	1	114	115	0.2	0.1	0.2	0.2	0.9
Regions' Total	27,151	1,334	52,902	54,236	100.0	100.0	100.0	100.0	2.5
Southeast	3,840	226	6,930	7,156	14.1	16.9	13.1	13.2	3.2
Central	17,902	874	34,735	35,609	65.9	65.5	65.7	65.7	2.5
Northern	4,663	209	8,677	8,886	17.2	15.7	16.4	16.4	2.4
Non-Alaskan	746	25	2,560	2,585	2.7	1.9	4.8	4.8	1.0

Source: Alaska Department of Commerce and Economic Development, Economic Analysis Section.

Table F.2 - Number of Business Establishments in Alaska by Industry Group

Industry Group	1974	1975	1976	1977	1978	1979	1980	1981	1982
State Total	7,372	7,903	7,884	8,664	8,728	8,780	8,864	9,424	10,379
Ag. Serv., For., Fish.	246	312	169	61	69	70	82	96	103
Mining	119	286	138	127	116	122	125	140	159
Oil & Gas Extraction	83	81	81	81	80	87	92	95	101
Contract Construction	891	1,009	1,078	1,248	1,193	1,037	1,019	1,211	1,445
General Construction	280	344	388	492	480	392	379	463	587
Heavy & Special Cons.	611	665	690	754	710	644	639	747	857
Manufacturing	353	340	319	359	354	349	331	334	383
Food & Kindred Prod.	107	91	85	101	101	95	89	98	104
Lumber & Paper Prod.	83	82	66	69	61	63	64	58	169
Printing & Publishing	46	48	44	54	54	57	57	55	64
Trans. & Other Utilities	468	522	588	616	616	624	644	660	704
Trucking & Warehousing	107	138	142	147	140	127	126	145	158
Water Transportation	63	58	58	56	61	71	79	80	90
Air Transportation	105	110	148	154	154	152	149	155	158
Communications	36	38	59	60	69	75	78	72	81
Utilities	37	43	43	47	47	44	46	47	47
Wholesale Trade	526	481	499	605	574	582	577	589	645
Durable Goods	293	313	324	413	382	384	380	376	419
Nondurable Goods	228	161	169	190	188	195	194	206	215
Retail Trade	1,734	1,740	1,920	2,240	2,217	2,165	2,160	2,269	2,595
Bldg. & Garden Supplies	92	93	103	117	111	111	109	114	128
Gen. Mer. & Apparel	244	230	245	286	273	281	281	291	316
Food Stores	200	201	212	245	269	262	268	270	266
Eating & Drinking Places	493	495	538	619	587	590	578	624	708
Automotive Services	256	255	266	292	272	242	236	250	302
F.I.R.E.	544	616	693	741	738	735	712	746	787
Banking	86	94	107	112	123	121	123	120	126
Credit Agen. & Brokers	72	68	70	82	82	79	79	83	94
Insurance	115	139	162	186	180	182	168	182	182
Real Estate	255	286	306	324	319	308	288	309	320
Services	1,783	1,963	2,116	2,380	2,348	2,390	2,451	2,605	3,040
Hotels & Lodging Places	132	144	148	141	132	128	126	137	148
Personal Services	167	161	177	188	194	172	174	177	224
Business Services	248	279	306	350	333	327	357	378	482
Health Services	298	324	337	383	420	436	460	493	538
Legal Services	149	167	184	214	218	247	249	265	295
Other Establishments	708	798	385	287	503	706	763	774	518

Source: County Business Patterns, U.S. Department of Commerce.

Table F.3

Number of Business Establishments in Alaska by Census Area

Census Area	1974	1975	1976	1977	1978	1979	1980	1981	1982
Aleutian Islands	58	50	52	66	52	62	64	74	69
Anchorage	3,251	3,676	3,766	4,163	4,167	4,250	4,256	4,604	5,112
Bethel	79	85	90	99	102	109	117	121	148
Bristol Bay Borough	20	19	20	22	24	24	29	26	31
Dillingham	55	60	61	63	54	55	59	56	65
Fairbanks North Star	891	1,057	1,014	1,128	1,073	1,095	1,075	1,175	1,296
Haines	54	56	57	60	48	52	58	61	63
Juneau	374	381	402	470	454	486	510	554	611
Kenai Peninsula	406	482	484	574	586	606	554	594	736
Ketchikan Gateway	346	338	334	341	323	348	335	347	364
Kobuk	46	44	40	53	54	55	54	57	54
Kodiak Island	268	334	259	245	232	244	232	220	266
Matanuska-Susitna	145	177	205	275	265	285	292	328	416
Nome	84	93	101	106	93	104	101	102	114
North Slope (Barrow)	21	27	30	51	50	47	47	59	73
Prince of Whales-Outer Ketch.	40	31	30	38	45	41	48	45	46
Sitka	150	161	167	161	159	172	184	195	190
Skagway-Angoon-Yakutat	79	64	70	74	74	76	66	73	71
Southeast Fairbanks	47	52	51	56	49	64	65	74	70
Valdez-Cordova	149	191	174	181	165	173	179	196	190
Wade-Hampton	35	37	33	35	36	43	39	40	42
Wrangell-Petersburg	170	168	147	139	134	140	144	143	166
Yukon-Koyukuk	50	57	52	69	70	72	77	77	112

Source: County Business Patterns, U.S. Department of Commerce.

Table F.4

Number of Business Establishments in Alaska by Census Area and by Selected Industry Group

Census Area / Industry Group	1978	1979	1980	1981	1982
Aleutian Islands	52	62	62	74	69
Ag. Serv., For., Fish.	-	1	2	7	7
Mining	-	-	-	-	-
Contract Construction	1	1	1	3	9
Manufacturing	15	14	13	13	7
Trans. & Other Utilities	4	5	5	5	7
Wholesale Trade	3	2	2	2	3
Retail Trade	13	13	15	17	16
F.I.R.E.	6	8	4	10	9
Services	5	7	7	6	10
Other Establishments	5	11	8	11	5
Anchorage	4,167	4,250	4,256	4,604	5,112
Ag. Serv., For., Fish.	26	27	29	31	34
Mining	42	42	46	57	62
Contract Construction	668	555	535	661	772
Manufacturing	118	113	108	109	130
Trans. & Other Utilities	217	216	220	234	260
Wholesale Trade	357	367	363	380	395
Retail Trade	899	908	922	953	1,114
F.I.R.E.	406	416	397	428	441
Services	1,237	1,293	1,334	1,415	1,655
Other Establishments	197	313	302	336	249
Bethel	102	109	117	121	148
Ag. Serv., For., Fish.	-	-	1	1	-
Mining	-	1	1	1	-
Contract Construction	6	5	10	13	17
Manufacturing	3	3	-	1	3
Trans. & Other Utilities	14	14	18	13	20
Wholesale Trade	1	4	4	3	5
Retail Trade	28	29	31	32	43
F.I.R.E.	8	9	7	9	11
Services	30	30	33	33	37
Other Establishments	12	14	12	15	12

Census Area / Industry Group	1978	1979	1980	1981	1982
Bristol Bay Borough	24	24	29	26	31
Ag. Serv., For., Fish.	-	-	-	-	1
Mining	-	-	-	-	-
Contract Construction	1	-	1	1	1
Manufacturing	5	4	6	5	5
Trans. & Other Utilities	3	5	5	5	6
Wholesale Trade	-	-	1	-	1
Retail Trade	7	6	8	9	11
F.I.R.E.	2	2	2	2	2
Services	4	3	4	3	2
Other Establishments	2	4	2	1	2
Dillingham	54	55	59	56	65
Ag. Serv., For., Fish.	1	-	1	-	-
Mining	-	-	-	-	-
Contract Construction	2	5	3	4	4
Manufacturing	9	9	10	10	13
Trans. & Other Utilities	8	10	8	9	7
Wholesale Trade	-	-	-	-	1
Retail Trade	17	15	16	13	15
F.I.R.E.	3	3	2	2	3
Services	10	9	12	12	14
Other Establishments	4	4	7	6	8
Fairbanks North Star	1,073	1,095	1,075	1,175	1,296
Ag. Serv., For., Fish.	5	5	3	6	7
Mining	6	3	5	11	17
Contract Construction	150	142	137	169	202
Manufacturing	27	24	25	26	30
Trans. & Other Utilities	70	72	74	76	87
Wholesale Trade	84	87	82	77	95
Retail Trade	295	297	273	286	313
F.I.R.E.	101	98	95	102	109
Services	293	295	293	313	368
Other Establishments	42	72	88	109	68

Source: County Business Patterns, U.S. Department of Commerce.

Table F.4 (Continued)

Number of Business Establishments in Alaska by Census Area and by Selected Industry Group

Census Area Industry Group	1978	1979	1980	1981	1982
Haines	48	52	58	61	63
Ag. Serv., For., Fish.	-	-	-	-	-
Mining	-	-	-	-	-
Contract Construction	1	1	3	2	6
Manufacturing	4	3	4	4	3
Trans. & Other Utilities	9	9	9	9	10
Wholesale Trade	2	4	4	4	4
Retail Trade	19	19	21	24	20
F.I.R.E.	3	3	3	3	3
Services	9	9	9	11	11
Other Establishments	1	4	5	4	6
Juneau	454	486	510	554	611
Ag. Serv., For., Fish.	1	1	2	3	2
Mining	1	-	2	1	3
Contract Construction	63	69	57	69	80
Manufacturing	6	9	8	10	14
Trans. & Other Utilities	30	29	28	33	32
Wholesale Trade	19	20	19	19	23
Retail Trade	136	133	143	152	180
F.I.R.E.	35	34	42	45	41
Services	143	155	161	185	208
Other Establishments	20	36	48	37	28
Kenai Peninsula	586	606	554	594	736
Ag. Serv., For., Fish.	8	7	7	9	14
Mining	17	24	20	17	11
Contract Construction	107	89	84	89	102
Manufacturing	33	38	34	37	43
Trans. & Other Utilities	46	52	55	60	68
Wholesale Trade	31	34	32	29	39
Retail Trade	163	154	132	149	210
F.I.R.E.	34	30	27	27	35
Services	117	125	122	127	187
Other Establishments	30	53	41	50	27

Census Area Industry Group	1978	1979	1980	1981	1982
Ketchikan Gateway	323	348	335	347	364
Ag. Serv., For., Fish.	3	3	5	6	6
Mining	1	1	-	1	1
Contract Construction	22	27	29	33	41
Manufacturing	22	25	24	23	25
Trans. & Other Utilities	34	31	35	34	26
Wholesale Trade	18	4	13	12	16
Retail Trade	95	15	107	117	124
F.I.R.E.	26	26	25	23	28
Services	84	83	74	73	86
Other Establishments	18	31	23	25	11
Kobuk	54	55	54	57	54
Ag. Serv., For., Fish.	-	2	2	2	2
Mining	1	1	1	1	1
Contract Construction	1	3	2	3	2
Manufacturing	-	-	-	1	1
Trans. & Other Utilities	9	9	7	8	10
Wholesale Trade	4	2	2	3	3
Retail Trade	25	21	20	21	22
F.I.R.E.	4	3	3	3	7
Services	6	7	10	8	3
Other Establishments	4	7	7	7	3
Kodiak Island	232	244	232	220	266
Ag. Serv., For., Fish.	9	11	12	10	13
Mining	-	-	-	-	-
Contract Construction	23	20	21	18	29
Manufacturing	27	25	22	19	27
Trans. & Other Utilities	25	28	27	22	25
Wholesale Trade	3	10	11	10	11
Retail Trade	13	51	54	57	65
F.I.R.E.	15	19	16	14	14
Services	54	57	51	57	70
Other Establishments	17	23	18	13	12

Source: County Business Patterns, U.S. Department of Commerce.

Table F.4 (Continued)

Number of Business Establishments in Alaska by Census Area and by Selected Industry Group

Census Area Industry Group	1978	1979	1980	1981	1982
Matanuska-Susitna	265	285	292	328	416
Ag. Serv., For., Fish.	2	3	3	3	3
Mining	1	1	1	3	1
Contract Construction	52	47	45	61	101
Manufacturing	9	11	8	10	12
Trans. & Other Utilities	19	22	24	23	21
Wholesale Trade	12	14	14	11	15
Retail Trade	68	68	63	73	102
F.I.R.E.	20	19	16	14	23
Services	60	65	73	95	107
Other Establishments	22	35	45	35	31
Nome	93	104	101	102	114
Ag. Serv., For., Fish.	-	-	-	-	-
Mining	1	1	2	2	2
Contract Construction	3	3	3	4	6
Manufacturing	4	5	3	2	3
Trans. & Other Utilities	10	13	14	13	15
Wholesale Trade	2	1	1	1	1
Retail Trade	43	41	40	43	44
F.I.R.E.	3	4	4	4	5
Services	23	26	24	24	27
Other Establishments	4	10	10	9	11
North Slope	50	47	47	59	73
Ag. Serv., For., Fish.	-	-	-	-	-
Mining	2	3	2	2	2
Contract Construction	6	5	9	12	9
Manufacturing	2	1	1	1	2
Trans. & Other Utilities	10	10	11	10	13
Wholesale Trade	1	-	-	1	2
Retail Trade	16	9	9	14	19
F.I.R.E.	7	8	7	7	9
Services	5	8	5	7	14
Other Establishments	1	3	3	5	3

Census Area Industry Group	1978	1979	1980	1981	1982
Prince of Whales & Outer Ketchikan	45	41	48	46	46
Ag. Serv., For., Fish.	-	-	-	1	-
Mining	-	1	1	2	-
Contract Construction	3	3	4	3	1
Manufacturing	10	9	7	5	10
Trans. & Other Utilities	2	2	2	2	4
Wholesale Trade	1	1	1	1	-
Retail Trade	16	11	15	18	19
F.I.R.E.	5	5	5	4	3
Services	5	8	7	5	7
Other Establishments	3	1	6	4	2
Sitka	159	172	184	195	190
Ag. Serv., For., Fish.	2	2	2	4	3
Mining	-	-	-	-	-
Contract Construction	20	22	24	24	22
Manufacturing	8	9	10	9	9
Trans. & Other Utilities	12	13	16	15	15
Wholesale Trade	5	4	5	7	8
Retail Trade	52	51	50	56	55
F.I.R.E.	10	12	11	10	10
Services	45	46	48	55	64
Other Establishments	5	13	18	15	4
Skagway-Angoon-Yakutat	74	76	66	73	71
Ag. Serv., For., Fish.	-	-	-	-	1
Mining	1	1	-	1	1
Contract Construction	5	5	3	3	1
Manufacturing	5	4	3	4	4
Trans. & Other Utilities	11	11	10	10	11
Wholesale Trade	-	1	1	2	4
Retail Trade	31	31	24	29	28
F.I.R.E.	7	7	7	6	7
Services	13	12	10	11	8
Other Establishments	1	4	8	7	6

Source: County Business Patterns, U.S. Department of Commerce.

Table F.4 (Continued)

Number of Business Establishments in Alaska by Census Area and by Selected Industry Group

Census Area Industry Group	1978	1979	1980	1981	1982
Southeast Fairbanks	49	64	65	74	70
Ag. Serv., For., Fish.	-	-	1	1	1
Mining	-	-	-	-	-
Contract Construction	3	5	6	6	7
Manufacturing	2	2	3	5	3
Trans. & Other Utilities	3	3	3	4	5
Wholesale Trade	3	4	4	5	3
Retail Trade	15	22	21	22	19
F.I.R.E.	3	3	3	3	5
Services	17	18	15	15	21
Other Establishments	3	7	9	13	6
Valdez-Cordova	165	173	179	196	190
Ag. Serv., For., Fish.	4	1	5	5	3
Mining	-	1	2	1	-
Contract Construction	8	10	13	14	18
Manufacturing	7	8	7	10	6
Trans. & Other Utilities	24	21	20	23	24
Wholesale Trade	11	7	8	10	7
Retail Trade	57	57	59	62	65
F.I.R.E.	8	7	7	8	11
Services	44	49	44	47	47
Other Establishments	2	12	14	16	9
Wade-Hampton	36	43	39	40	42
Ag. Serv., For., Fish.	-	1	1	1	1
Mining	-	-	-	-	-
Contract Construction	2	2	2	1	1
Manufacturing	4	2	2	1	-
Trans. & Other Utilities	2	3	1	2	1
Wholesale Trade	1	1	1	1	1
Retail Trade	13	13	11	13	15
F.I.R.E.	4	5	4	7	5
Services	8	9	11	11	16
Other Establishments	2	7	6	3	2
Wrangell-Petersburg	134	140	144	143	166
Ag. Serv., For., Fish.	2	1	2	1	4
Mining	-	-	-	-	-
Contract Construction	11	12	10	6	12
Manufacturing	23	20	21	20	29
Trans. & Other Utilities	15	19	18	16	19
Wholesale Trade	1	-	1	2	3
Retail Trade	47	48	52	48	54
F.I.R.E.	4	4	4	4	5
Services	27	27	28	32	36
Other Establishments	4	9	8	14	4
Yukon-Koyukuk	70	72	77	77	112
Ag. Serv., For., Fish.	-	-	1	1	-
Mining	3	4	4	3	8
Contract Construction	2	-	3	2	7
Manufacturing	-	2	2	2	1
Trans. & Other Utilities	12	9	11	12	18
Wholesale Trade	1	1	2	3	2
Retail Trade	23	19	20	19	38
F.I.R.E.	4	4	5	4	4
Services	15	15	17	17	25
Other Establishments	10	18	12	14	9

Source: County Business Patterns, U.S. Department of Commerce.

Table F.5

Alaska-U.S. Comparison of Number of Business Establishments per Thousand People and Employees Per Establishment by Industry Group

Industry Group	Estab. per Thousand People			Employees per Establishment		
	Alaska 1982	U.S. 1982	Alaska/ U.S.	Alaska 1982	U.S. 1982	Alaska/ U.S.
Total	22.53	20.01	1.26	11.98	16.03	.75
Ag. Serv., For., Fish.	.22	.25	.88	5.85	6.45	.91
Mining	.35	.15	2.33	72.58	33.76	2.15
Oil & Gas Extraction	.22	.10	2.20	95.39	26.90	3.55
Contract Construction	3.14	1.67	1.88	8.38	10.21	.82
General Construction	1.27	.49	2.59	NA	9.18	NA
Heavy & Special Cons.	1.86	1.18	1.58	9.31	10.59	.88
Manufacturing	.83	1.42	.58	22.98	59.50	.39
Food & Kindred Products	.22	.09	2.44	33.60	70.30	.48
Lumber & Paper Products	.37	.15	2.47	NA	34.13	NA
Printing & Publishing	.14	.21	.67	21.22	26.90	.79
Trans. & Other Utilities	1.53	.76	2.01	23.48	26.20	.90
Trucking & Warehousing	.34	.35	.97	13.87	15.12	.92
Water Transportation	.20	.03	6.66	12.63	29.61	.43
Air Transportation	.34	.03	11.33	35.79	62.36	.57
Communication	.18	.11	1.64	38.94	53.48	.73
Utilities	.10	.07	1.42	24.00	47.77	.50
Wholesale Trade	1.40	1.75	.80	11.37	12.95	.88
Durable Goods	.91	1.06	.86	11.38	11.85	.96
Nondurable Goods	.47	.66	.71	NA	13.41	NA
Retail Trade	5.63	5.55	1.01	11.01	11.89	.93
Bldg. & Garden Supplies	.28	.27	1.04	11.03	8.04	1.37
Gen. Mer. & Apparel	.69	.16	4.31	25.68	51.24	.50
Food Stores	.58	.74	.78	16.54	13.81	1.20
Eating & Drinking Places	1.54	1.29	1.94	14.46	15.50	.93
Automotive Services	.66	.86	.77	9.77	8.43	1.16
F.I.R.E.	1.71	1.84	.93	10.64	12.79	.83
Banking	.27	.21	1.29	23.75	32.28	.74
Credit Agen. & Brokers	.20	.31	.65	NA	12.18	NA
Insurance	.39	.50	.78	8.35	14.64	.57
Real Estate	.69	.72	.96	5.61	5.86	.96
Services	6.60	6.22	1.06	9.82	12.89	.76
Hotels & Lodging Places	.32	.18	1.78	23.51	26.55	.89
Personal Services	.49	.68	.72	6.08	6.25	.97
Business Services	1.05	.84	.80	11.37	16.65	.68
Health Services	1.17	1.52	.77	12.79	16.53	.77
Legal Services	.67	.48	1.40	5.13	5.21	.98
Other Establishments	1.12	.44	2.55	1.13	1.04	1.09

Sources: County Business Patterns, U.S. Department of Commerce.
Alaska 1982 population is from Table A.2. U.S. 1982 population is from Statistical Abstract of the United States, Bureau of the Census, 1984.

G. CENSUSES OF INDUSTRIES

FIGURES

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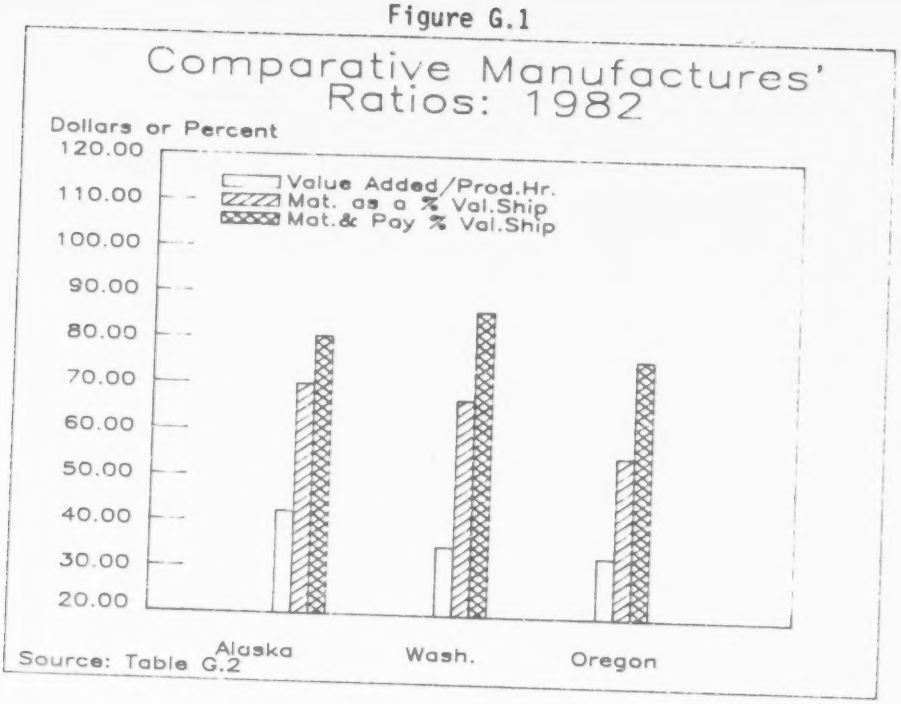
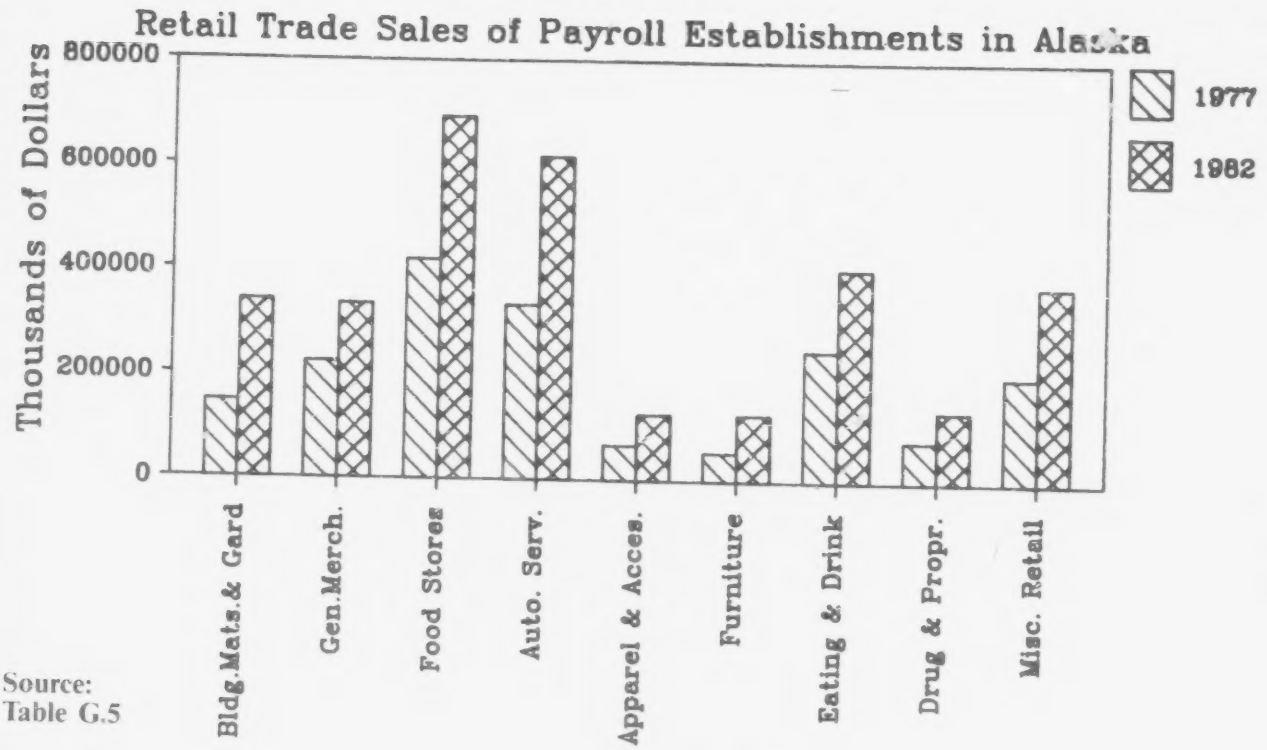
Figure G.1



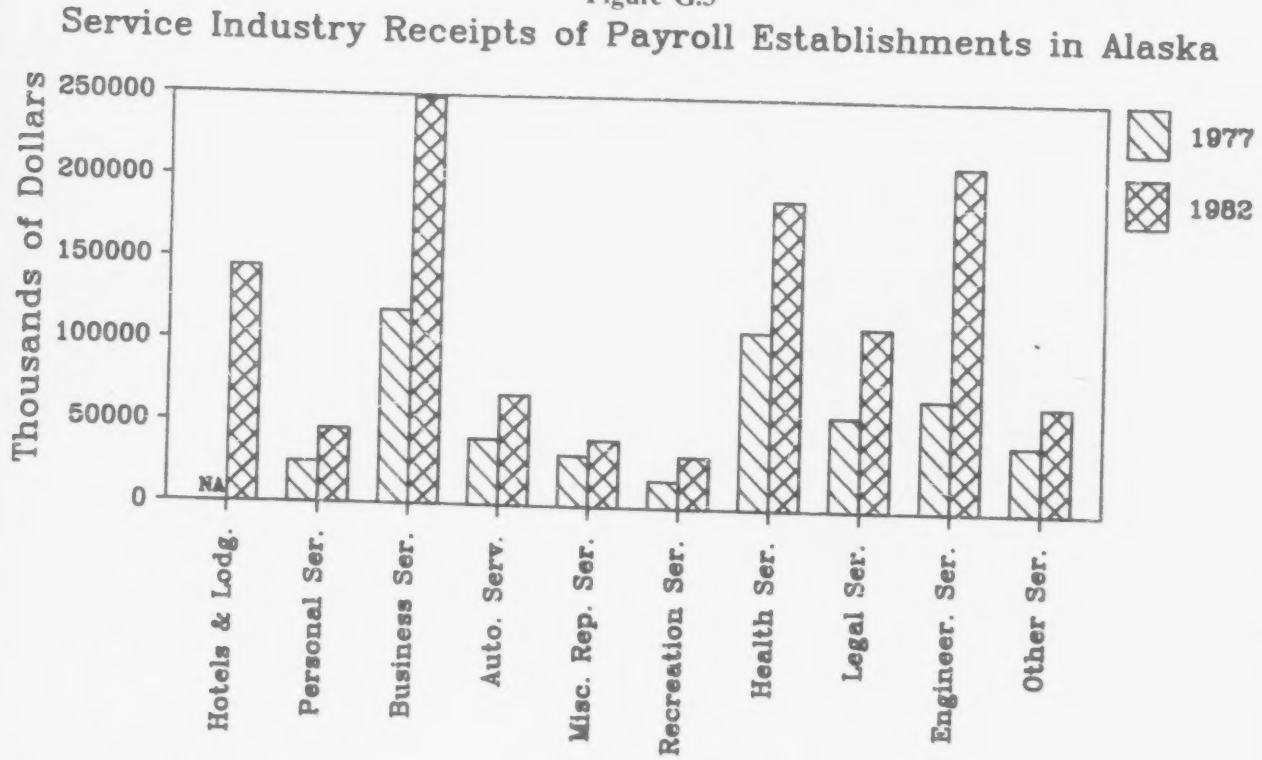
Source: Table G.2

Figure G.2



Source:
Table G.5

Figure G.3



Source: Table G.5

Table G.1

Alaska Census of Manufactures
by Selected Industry Groups and by Census Areas: 1977, 1982

Year Industry Group /Census Area	Estab-lishments (number)	Value Added (mil.$s)	Cost of Manufac. (mil. $s)	Value of Shipments (mil. $s)	New Capital Expenditures (mil. $s)	All Employees		Production Workers	
						Number (1,000)	Payroll (mil. $s)	Number (1,000)	Wages (mil. $s)
1982 Census Total	445	NA	1,805.8	2,579.9	58.5	12.8	269.5	10.0	196.6
by Industry Group:									
Food & Kindred Products	121	NA	478.2	662.1	15.5	5.4	86.2	4.8	68.5
Lumber & Wood Products	85	NA	142.5	250.1	8.1	2.2	53.7	1.9	43.5
Paper & Allied Products	3	NA	NA	NA	NA	NA	NA	NA	NA
Stone, Clay & Glass Prods.	28	NA	20	47.1	4	.5	9.4	.4	6
Printing & Publishing	73	NA	23.1	78.3	7.8	1.4	25.7	.7	12.9
Fabricated Metal Products	24	NA	37.8	69.2	4.9	.7	17.7	.5	13.3
by Census Area:									
Aleutian Islands	11	NA	72.5	100.6	6.1	.7	12.7	.6	10.8
Anchorage	149	NA	127	253.1	13.2	2.8	58.2	1.8	32.6
Dillingham	16	NA	45	57.7	1.6	.7	12.2	.6	9.7
Fairbanks North Star	31	NA	179.9	260.4	9.9	.7	17.1	.5	12.6
Kenai Peninsula	54	NA	918.5	1,177	5.4	2.1	43.4	1.7	31.7
Ketchikan Gateway	26	NA	74.4	134.9	2.6	1.2	35	1	28.7
Kodiak Island	28	NA	100.9	146.4	2.4	1.4	20.5	1.1	14.7
Sitka	10	NA							
Wrangell-Petersburg	30	NA	98.6	156.8	4.6	1.1	20.7	1	17.5
1977 Census Total	429	504.2	767.2	1,250.3	178.1	11.4	172	9.3	126.7
by Industry Group:									
Food & Kindred Products	118	199.3	314.7	516.5	17.6	5.4	61.2	4.8	46.6
Lumber & Wood Products	82	69.5	75.4	142.5	7.5	2.4	42.5	2.1	35.6
Paper & Allied Products	2								
Printing & Publishing	33	9.1	17.5	26.4		.3	4.5	.2	3.1
Stone, Clay & Glass Prods.	61	21.3	9	30.4	1.7	.9	11.3	.5	6
Fabricated Metal Products	6								

Sources: Census of Manufactures, U.S. Department of Commerce, 1977 and 1982.

Table G.2

Alaska-Washington-Oregon Comparison of Manufactures' Operating Ratios
by Selected Product Groups: 1982

	Average Hourly Earnings of Production Workers ($s)	Payroll per Employee (dollars)	Value a/ Added per Employee (dollars)	Payroll as Percent of Value Added (Percent)	Value a/ Added per Production Worker Hour (dollars)	Cost of Materials As Percent of Value of Shipments	Cost of Materials & Payroll As Percent of Value of Shipments
Alaska Total	10.76	21,055	60,477	34.8	42.30	70.0	80.4
Food & Kindred Pr.	8.46	15,963	34,056	46.9	22.70	72.2	85.2
Lumber & Wood Pr.	11.45	24,409	48,909	49.9	28.32	57.0	78.4
Paper & Allied Pr.	NA	NA	NA	NA	NA	NA	NA
Stone, Clay & Glass	8.57	18,800	54,200	34.7	38.71	42.5	62.4
Printing & Publishing	9.92	18,357	39,429	46.6	42.46	29.5	62.3
Fabricated Metal Pr.	12.09	25,286	44,857	56.4	28.55	54.6	80.2
Washington Total	11.08	22,935	39,247	58.4	35.00	67.0	86.3
Food & Kindred Pr.	8.44	17,485	50,050	34.9	35.70	69.9	80.4
Lumber & Wood Pr.	10.53	20,023	33,739	59.3	21.73	68.1	87.0
Paper & Allied Pr.	14.28	27,142	61,865	43.9	44.39	64.0	79.8
Stone, Clay & Glass	10.85	21,556	46,175	46.7	33.44	48.8	72.7
Printing & Publishing	9.31	17,969	36,327	49.5	39.23	31.9	65.6
Fabricated Metal Pr.	10.44	22,051	42,376	52.0	25.85	54.9	78.4
Oregon Total	9.64	20,461	43,390	47.2	33.18	55.2	76.3
Food & Kindred Pr.	8.10	16,449	49,676	33.1	36.53	60.5	73.5
Lumber & Wood Pr.	15.00	20,004	33,070	60.5	29.68	68.4	87.5
Paper & Allied Pr.	14.16	27,989	70,276	39.8	47.40	65.3	79.1
Stone, Clay & Glass	9.80	20,710	48,774	42.5	33.60	47.4	69.7
Printing & Publishing	9.02	16,693	37,129	45.0	38.27	38.4	66.1
Fabricated Metal Pr.	9.08	20,082	44,867	44.8	33.31	47.0	70.7

a/ Value added is not available in the 1982 Census of Manufactures. Here value added is estimated as the difference of value of shipments and cost of materials. This procedure somewhat overestimates value added due to duplications.

Sources: Census of Manufactures, U.S. Department of Commerce, 1977 and 1982.

Table G.3

Alaska-U.S. Comparison of Manufactures' Operating Ratios: 1982

	Average Hourly Earnings of Production Workers ($s)	Payroll per Employee (dollars)	Value Added per Employee (dollars)	Payroll as Percent of Value Added (Percent)	Value Added per Production Worker Hour (dollars)	Cost of Materials As Percent of Value of Shipments	Cost of Materials & Payroll As Percent of Value of Shipments
Alaska							
1982 Census	10.74	21,055	60,477	34.8	42.30	70.0	80.4
1978 ASM	7.88	15,963	51,103	31.2	33.75	62.1	73.7
1977 Census	7.50	15,087	44,134	34.0	29.91	61.0	75.0
1976 ASM	7.83	15,266	63,747	24.0	43.79	50.0	62.0
1975 ASM	6.90	14,175	56,150	25.0	36.82	47.0	61.0
1974 ASM	6.26	12,750	46,263	28.0	29.85	49.0	64.0
1973 ASM	5.44	10,714	29,202	37.0	19.31	52.0	70.0
1972 Census	4.87	10,013	22,720	44.0	14.69	52.0	73.0
United States							
1982 Census	NA	NA	NA	NA	NA	NA	NA
1978 ASM	6.37	14,114	34,170	41.3	23.75	57.6	75.4
1977 Census	5.89	13,072	31,603	41.4	21.93	57.6	75.4
1976 ASM	5.43	12,046	28,926	41.6	20.17	57.5	75.4
1975 ASM	5.04	11,093	25,765	43.1	18.38	57.5	75.8
1974 ASM	4.59	10,184	24,180	42.1	16.61	57.1	75.9
1973 ASM	4.21	9,450	21,494	44.0	14.44	54.6	75.0
1972 Census	3.95	8,896	19,630	45.3	13.26	53.9	75.1
Alaska/U.S. Ratio			Percent Ratio				
1982 Census	NA	NA	NA	NA	NA	NA	NA
1978 ASM	1.24	1.13	1.50	.76	1.42	1.08	.98
1977 Census	1.27	1.15	1.40	.82	1.36	1.06	.99
1976 ASM	1.44	1.27	2.20	.58	2.17	.87	.82
1975 ASM	1.37	1.28	2.18	.58	2.00	.82	.80
1974 ASM	1.36	1.25	1.91	.66	1.80	.86	.84
1973 ASM	1.29	1.13	1.36	.84	1.34	.95	.93
1972 Census	1.23	1.13	1.16	.97	1.11	.97	.97

Sources: Census of Manufactures, U.S. Department of Commerce, 1977 and 1982. Annual Survey of Manufactures, U.S. Department of Commerce, 1979

Table G.4

Cost of Purchased Fuels & Electric Energy Consumed of Manufactures
by Selected Industry Groups and by Type of Energy Used

	United States		Oregon		Washington		Alaska		Alaska as Percent of		
	1981	1980	1981	1980	1981	1980	1981	1980	U.S. 1981	Wash. 1981	Oregon 1981
	(dollars per million BTU's)								(percent)		
All Industries	4.78	4.05	4.77	4.22	3.61	3.21	1.70	1.48 a/	.36	.36	.47
Food & Kindred Pr.	4.81	4.10	4.20	3.74	4.48	3.81	6.32	5.71	1.31	1.50	1.41
Lumber & Wood Pr.	6.29	5.23	5.68	4.58	4.66	4.15	NA	NA	-	-	-
Paper & Allied Pr.	4.37	3.66	4.92	4.17	3.93	3.32	NA	NA	-	-	-
Printing & Publishing	8.28	7.14	7.80	6.60	5.50	5.44	6.00	4.00	.72	.77	1.09
Petroleum & Coal Pr.	4.15	3.47	4.06	3.65	4.51	4.00	3.80	3.00	.92	.94	.84
Stone, Clay & Glass	3.72	3.21	3.62	3.03	3.45	2.99	NA	NA	-	-	-
Fabricated Metal Pr.	6.35	5.50	6.88	5.37	5.37	4.84	7.00	NA	1.10	1.02	1.30
Energy Type	(dollars per unit) b/								(percent)		
Electric Energy	.038	-	.020	-	.011	-	.058	-	1.53	2.90	5.27
Fuel Oil, Distillate	.038	-	.037	-	.039	-	.041	-	1.08	1.11	1.05
Fuel Oil, Residual	.030	-	.024	-	.025	-	NA	-	-	-	-
Natural Gas	3.20	-	4.46	-	4.41	-	NA	-	-	-	-
Liquefied Pet. Gases	.12	-	.12	-	.12	-	.11	-	.92	.92	.92
Coke & Breeze	.11	-	NA	-	.14	-	-	-	-	-	-
Bituminous Coal, Lignite & Anthricite	.041	-	NA	-	.048	-	-	-	-	-	-

a/ Energy cost ber million BTU's is much lower for the state-wide average than what is given for some industry groups. This would imply lower than average cost for unreported industry groups.

b/ Electric energy - $'s per kwh, Fuel oil - $'s per thousand bbls., Natural gas - $'s per billion cubic feet, Liquefied petroleum gas - $'s per million lbs., coke and other coal - $'s per thousand short tons.

Source: 1982 Census of Manufactures, U.S. Department of Commerce.

Table G.5 - Alaska Retail Trade, Wholesale Trade, Service Industry Establishments and Sales: 1977, 1982 a/

Industry Group	1972 SIC Code	Establishments 1977 (number)	Establishments 1982 (number)	Sales 1977 (thousands of $'s)	Sales 1982 (thousands of $'s)	Sales Per Estab. 1977 (dollars)	Sales Per Estab. 1982 (dollars)	Sales Per Employee 1977 (dollars)	Sales Per Employee 1982 (dollars)	Payroll as % of Sales 1982
Retail Trade All Establishments		3,781	4,579	1,830,668	3,227,327	484,176	704,810	70,219	NA	12.7
Retail Trade Payroll Estab.:		2,421	2,660	1,778,328	3,152,052	734,543	1,184,982	68,211	104,998	13.0
Bldg. Materials & Garden Sup.	52	117	134	147,564	340,405	1,261,231	2,540,336	142,436	202,141	10.7
General Merchandise	53	112	86	223,294	333,677	1,993,696	3,879,965	59,784	124,786	12.4
Food Stores	54	268	297	419,505	692,075	1,565,317	2,330,219	115,502	143,050	10.9
Automotive Services	55	301	311	333,061	615,873	1,106,514	3,037,237	220,716	248,652	10.3
Apparel & Accessories	56	192	207	67,823	127,209	353,245	614,536	65,027	103,003	12.2
Furniture	57	123	166	55,514	127,761	451,333	769,645	88,258	123,441	13.8
Eating & Drinking Places	58	710	749	249,940	404,761	352,028	540,402	25,388	34,512	27.2
Drug & Proprietary Stores	591	55	63	79,588	136,386	1,447,055	2,164,857	98,744	156,766	11.7
Misc. Retail Stores	59 ex. 591	543	647	202,039	373,905	372,079	577,906	75,670	121,083	10.7
Wholesale Trade All Estab.:		649	706	1,562,699	2,737,328	2,407,857	3,877,235	250,754	369,161	7.5
Durable Goods	50	404	443	620,271	1,158,324	1,535,324	2,614,727	153,002	255,531	10.9
Automotive Parts & Sup.	501	77	60	72,201	119,530	937,675	1,992,167	121,961	193,102	12.2
Lumber & Const. Material	503	42	39	89,328	134,927	2,126,857	3,459,667	207,258	310,892	9.0
Metal & Minerals	505	11	9	11,208	30,012	1,018,909	3,334,667	155,667	280,486	8.0
Electric Goods	506	47	54	79,260	157,081	1,686,383	2,908,907	184,755	302,079	9.1
Hardware Supplies	507	321	46	41,799	89,093	130,215	1,936,804	156,550	202,484	11.5
Machinery & Equipment	508	147	181	261,428	546,777	1,778,422	3,020,867	151,114	271,623	11.6
Nondurable Goods	51	245	263	942,428	1,579,004	3,846,645	6,003,817	432,703	547,885	5.0
Paper & Allied Products	511	19	19	16,161	NA	850,579	NA	119,711	NA	NA
Grocery Products	514	83	93	269,766	529,797	3,250,193	5,696,742	270,307	429,333	6.6
Chemical & Allied Prods.	516	5	20	NA	81,019	NA	4,050,950	NA	389,514	6.3
Petroleum & Pet. Prods.	517	89	89	532,297	705,754	5,980,865	7,929,820	1,357,901	1,892,102	1.5
Alcoholic Beverages	518	9	9	NA	119,944	NA	13,327,111	NA	335,978	9.7
Service Payroll Establishments:		1,485	2,587	NA	1,154,916	NA	446,431	NA	54,421	37.5
Hotels & Lodging Places	70	145	158	NA	144,446	NA	925,936	NA	43,170	27.8
Personal Services	72	206	237	25,136	45,561	122,019	192,241	20,586	35,567	36.5
Business Services	73	379	523	118,207	248,332	311,892	474,822	27,180	42,994	42.3
Automotive & Services	75	172	164	40349	67,447	234,587	411,445	42,118	65,195	26.4
Misc. Repair Services	76	452	120	31,341	40,848	69,338	340,400	40,492	67,854	31.4
Recreation Services	78 & 79	375	90	16,849	31,907	44,931	354,522	23,018	42,656	19.5
Health Services	80 ex. 806	NA	519	108,250	188,588	NA	363,368	NA	61,610	43.3
Legal Services	81	290	301	57,525	111,588	198,362	370,724	57,068	77,277	42.5
Engineering Services	891	329	245	68,707	210,661	208,836	859,841	48,522	80,713	39.5
Other Services	823-829 893-899	NA	232	41,506	65,508	NA	1,249,162	NA	144,688	39.9

a/ Retail and Service Industry data by industry group are for payroll establishments. Wholesale Trade data by industry group are for all establishments.

Source: Census of Retail Trade, Census of Wholesale Trade, Census of Service Industries, U.S. Department of Commerce.

Table G.6 - U.S. vs. Alaska Comparative Ratios for Retail Trade, Wholesale Trade and Service Industry Establishments by Selected Industry Groups a/

Industry Group	1972 SIC Code	Sales per Estab.		Sales per Employee		Annual Payroll per Employee		Payroll as % of Sales		Operating Exp. as % of Sales	
		Alaska	U.S.	Alaska	U.S.	Alaska	U.S.	AK	U.S.	AK	U.S.
		(dollars)		(dollars)		(dollars)					
Retail Trade Payroll Estab.:		1,184,982	781,039	104,998	71,817	13,694	8,544	13.0	11.9	-	-
Bldg. Materials & Garden Sup.	52	2,540,336	752,075	202,141	99,055	21,619	12,339	10.7	12.5	-	-
General Merchandise	53	3,879,965	3,512,869	124,786	65,218	15,571	8,059	12.4	12.4	-	-
Food Stores	54	2,330,219	1,364,891	143,050	102,453	15,607	10,023	10.9	9.8	-	-
Automotive Services	55	3,037,237	2,094,612	248,652	181,466	25,725	16,060	10.3	8.9	-	-
Apparel & Accessories	56	614,536	423,963	103,003	58,098	12,598	7,726	12.2	13.3	-	-
Furniture	57	769,645	483,434	123,441	83,508	17,082	11,586	13.8	13.9	-	-
Eating & Drinking Places	58	540,402	318,010	34,512	21,802	9,390	5,510	27.2	25.3	-	-
Drug & Proprietary Stores	591	2,164,857	731,771	156,766	73,037	18,405	9,281	11.7	12.7	-	-
Misc. Retail Stores	59 ex. 591	577,906	413,631	121,083	71,615	12,970	9,200	10.7	12.8	-	-
Wholesale Trade All Estab.:		3,877,235	4,804,607	369,161	400,791	27,717	19,100	7.5	4.8	14.9	10.1
Durable Goods	50	2,614,727	3,440,850	255,531	302,526	27,937	19,695	10.9	6.5	20.8	13.2
Automotive Parts & Sup.	501	1,992,167	4,754,366	193,102	433,291	23,616	17,378	12.2	4.0	22.9	8.0
Lumber & Const. Material	503	3,459,667	2,974,844	310,892	274,611	28,083	18,575	9.0	6.8	18.3	14.1
Metal & Minerals	505	3,334,667	10,146,204	280,486	696,343	22,533	22,778	8.0	3.3	18.5	7.2
Electric Goods	506	2,908,907	4,115,928	302,079	336,206	27,650	20,895	9.1	6.2	18.2	12.7
Hardware Supplies	507	1,936,804	2,091,236	202,484	200,696	23,302	18,703	11.5	9.3	22.8	18.5
Machinery & Equipment	508	3,020,867	2,652,990	271,623	220,893	31,615	20,808	11.6	9.4	21.3	18.2
Nondurable Goods	51	6,003,817	6,991,239	547,885	538,931	27,371	18,263	5.0	3.4	10.5	7.7
Paper & Allied Products	511	NA	3,829,969	NA	286,724	NA	19,223	NA	6.7	NA	12.6
Groceries Products	514	5,696,742	7,494,512	429,333	428,426	28,437	18,209	6.6	4.3	12.8	9.0
Chemical & Allied Prods.	516	4,050,950	7,096,503	389,514	612,143	24,466	23,343	6.3	3.8	15.2	8.8
Petroleum & Pet. Prods.	517	7,929,820	15,886,343	1,892,102	1,581,975	28,710	18,285	1.5	1.2	5.3	3.2
Alcoholic Beverages	518	13,327,111	6,604,288	335,978	298,134	32,661	21,876	9.7	7.3	14.4	15.5
Service Payroll Establishments:		446,431	340,992	54,421	38,518	20,430	14,249	37.5	37.2	-	-
Hotels & Lodging Places	70	925,936	805,577	43,170	30,138	11,993	8,428	27.8	28.0	-	-
Personal Services	72	192,241	136,991	35,567	23,679	12,982	8,198	36.5	34.6	-	-
Business Services	73	474,822	496,763	42,994	33,908	17,580	13,458	42.3	39.7	-	-
Automotive & Services	75	411,445	265,801	65,195	55,482	17,191	12,756	26.4	22.9	-	-
Misc. Repair Services	76	340,400	259,693	67,854	47,162	21,292	15,214	31.4	32.2	-	-
Recreation Services	78 & 79	354,522	492,672	42,656	41,199	8,301	10,955	19.5	26.7	-	-
Health Services	80 ex. 806	363,368	275,878	61,610	39,296	26,699	17,522	43.3	44.4	-	-
Legal Services	81	370,724	297,429	77,277	60,288	32,873	22,050	42.5	36.6	-	-
Engineering Services	891	859,841	756,815	80,713	59,014	31,846	25,309	39.5	42.9	-	-
Other Services	823-829 893-899	1,249,162	752,616	144,688	98,757	49,645	37,740	39.9	39.8	-	-

a/ Retail and Service Industry data by industry group are for payroll establishments. Wholesale Trade data by industry group are for all establishments.

Source: Census of Retail Trade, Census of Wholesale Trade, Census of Service Industries, U.S. Department of Commerce.

H. BANKING AND INSURANCE

FIGURES

Figure H.1 Growth of Deposits and Loans of Alaska Banks
Figure H.2 Growth of Premiums Written by Alaska Insurance Companies

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Table H.1 Comparative Statements of Assets, Liabilities and Capital Accounts of Alaska Banks
Table H.2 Comparative Statements of Assets, Liabilities and Capital Accounts of Federal Credit Unions and Savings and Loan Institutions in Alaska
Table H.3 Alaska Insurance Business Premium and Loss Statistics
Table H.4 Alaska Investments of Insurance Companies Operating in Alaska

Figure H.1

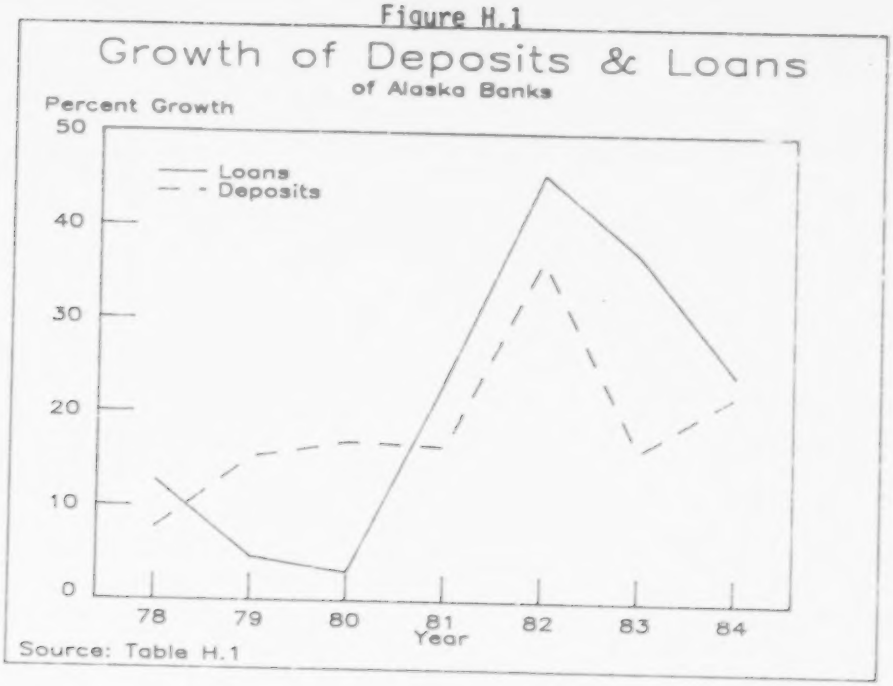

Figure H.2

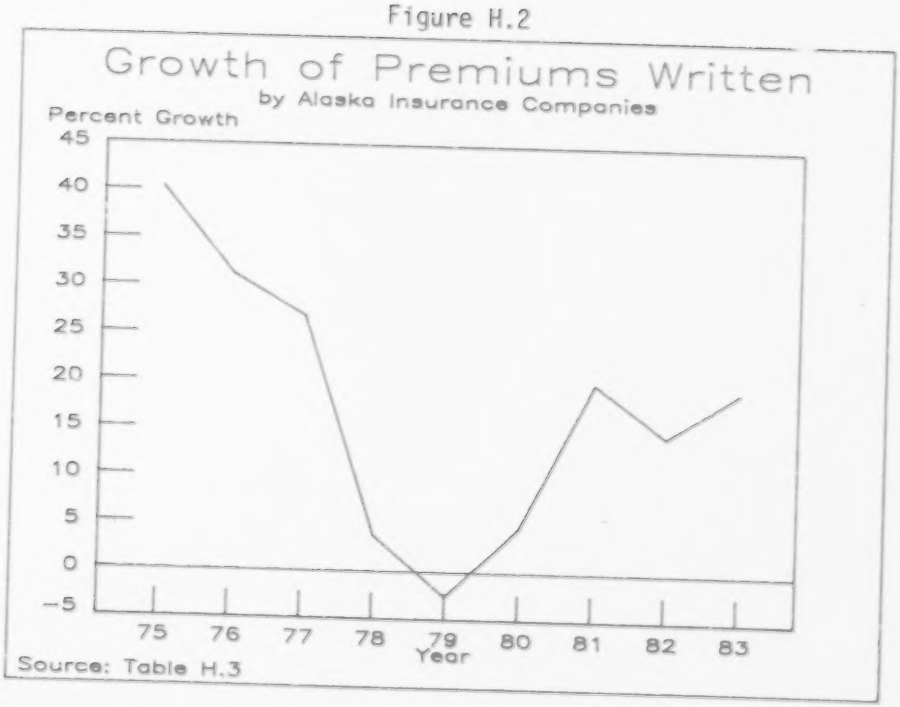

Table H.1

Comparative Statement of Assets, Liabilities and Capital Accounts of Alaska Banks

	1974	1977	1978	1979	1980	1981	1982	1983	1984
	(thousands of dollars as of December 31)								
ALL BANKS:									
ASSETS	1,288,218	1,963,824	2,133,053	2,248,372	2,539,847	2,782,384	3,484,638	4,323,328	4,853,328
Net Loans	648,328	1,148,920	1,240,898	1,210,056	1,151,950	1,261,866	1,651,600	2,364,413	3,031,824
LIABILITIES	1,194,743	1,805,376	1,951,159	2,048,894	2,322,082	2,535,618	3,171,074	3,931,471	4,400,925
Total Deposits	1,097,755	1,684,334	1,747,271	1,800,271	2,015,820	2,216,015	2,773,091	3,452,274	3,869,510
EQUITY CAPITAL	84,123	158,448	181,894	193,213	211,600	242,515	309,563	389,056	452,403
ALL STATE BANKS:									
ASSETS	386,745	643,590	724,321	824,441	964,421	1,109,842	1,550,491	1,830,993	2,214,983
Cash & Balances Due	51,281	67,799	73,147	110,160	158,672	175,551	271,101	182,760	144,131
Net Loans	207,572	380,944	429,384	449,003	462,503	571,668	832,988	1,141,693	1,419,463
Securities	75,771	120,204	141,319	171,065	236,718	250,329	295,301	391,420	466,690
Real Estate & Fixed Assets	13,432	24,820	28,422	30,576	38,696	40,313	51,560	59,297	76,134
Other Assets	38,689	49,823	52,049	63,637	67,832	71,981	99,541	55,823	108,565
LIABILITIES	357,712	591,971	663,820	759,393	891,125	1,031,051	1,434,308	1,694,334	2,055,731
Total Deposits	334,263	561,993	605,420	697,804	815,518	949,476	1,296,390	1,504,664	1,839,137
by Type of Deposit:									
Demand Deposits	96,765	164,335	174,025	168,353	211,545	278,657	310,858	311,483	324,221
Time and Savings Dep.	237,497	397,658	431,395	529,451	603,973	670,819	985,532	1,193,181	1,514,916
by Type of Customer:									
State & Political Subdiv.	106,489	139,432	152,269	261,271	259,876	141,085	471,107	438,677	399,443
Individ.-Partnerships-Corporations	219,733	408,590	435,957	399,089	540,775	792,921	808,402	1,046,023	1,164,513
Federal Fund Purchases	4,964	7,247	25,009	36,305	49,404	52,058	89,523	71,485	70,068
All Other Liabilities	18,485	22,731	33,391	25,284	26,203	29,517	48,385	118,185	146,526
EQUITY CAPITAL	21,502	45,456	54,867	59,483	67,531	74,940	112,382	134,058	159,252
Common Stock	4,277	10,563	10,789	11,010	12,226	12,571	15,524	33,123	35,280
Surplus	13,013	27,759	35,597	38,632	41,987	44,064	55,449	48,786	53,048
Undivided Profits & Reserves	4,212	7,134	8,481	9,841	13,318	18,305	41,409	52,149	70,924
LIABILITIES & EQUITY CAPITAL	379,214	637,427	718,687	818,876	958,656	1,105,991	1,546,690	1,828,392	2,214,983

Source: Alaska Department of Commerce and Economic Development, Division of Banking, Securities, Small Loans and Corporations.

Table H.1 (Continued)

Comparative Statement of Assets, Liabilities and Capital Accounts
of Alaska Banks

	1974	1977	1978	1979	1980	1981	1982	1983	1984
				(thousands of dollars as of December 31)					
ALL NATIONAL BANKS:									
ASSETS	901,473	1,320,234	1,408,732	1,423,931	1,575,426	1,672,542	1,934,147	2,492,335	2,638,345
Cash & Balances Due	161,500	147,824	176,690	138,333	195,081	243,621	287,769	326,389	207,753
Net Loans	440,755	767,976	811,514	761,053	689,347	690,198	818,612	1,222,720	1,612,361
Securities	226,305	278,866	288,480	358,780	466,932	511,393	641,817	738,619	586,044
Real Estate & Fixed Assets	22,848	62,594	65,056	65,880	71,806	73,248	80,842	99,912	105,066
Other Assets	50,065	62,974	66,992	99,885	152,260	154,082	105,107	104,695	127,121
LIABILITIES	837,030	1,213,405	1,287,339	1,289,501	1,430,957	1,504,567	1,736,766	2,237,137	2,345,194
Total Deposits	763,491	1,122,341	1,141,851	1,102,467	1,200,302	1,266,539	1,476,701	1,947,610	2,030,373
by Type of Deposit:									
Demand Deposits	399,558	567,048	535,236	515,776	574,375	574,235	631,966	694,842	680,888
Time and Savings Dep.	363,933	555,293	606,615	586,691	625,927	692,304	844,735	1,252,768	1,349,485
by Type of Customer:									
State & Political Subdiv.	176,634	152,580	221,593	185,155	202,749	158,907	193,717	216,428	299,904
Individ.-Partnerships-Corporations	563,830	873,913	890,014	889,264	964,218	1,060,213	1,239,007	1,675,375	1,495,964
Federal Fund Purchases	52,440	52,527	83,172	127,461	170,423	189,491	214,080	238,084	194,771
All Other Liabilities	21,099	38,537	62,316	59,573	60,232	48,537	45,985	51,443	120,050
EQUITY CAPITAL	56,375	105,879	120,693	133,730	144,069	167,575	197,181	254,998	293,151
Common Stock	18,414	31,626	31,885	36,888	36,372	43,372	43,661	54,956	56,163
Surplus	25,530	39,782	41,580	42,595	44,319	46,319	54,554	75,902	83,671
Undivided Profits & Reserves	12,431	34,471	47,228	54,247	63,378	77,884	98,966	124,140	153,317
LIABILITIES & EQUITY CAPITAL	893,405	1,319,284	1,408,032	1,423,231	1,575,026	1,672,142	1,933,947	2,492,135	2,638,345

Source: Alaska Department of Commerce and Economic Development, Division of Banking, Securities, Small Loans and Corporations.

Table H.2

Comparative Statement of Assets, Liabilities and Capital Accounts
of Federal Credit Unions and Savings and Loan Institutions in Alaska

	1977	1978	1979	1980	1981	1982	1983	1984
	(thousands of dollars as of December 31)							
ALL FEDERAL CREDIT UNIONS: a/								
ASSETS	418,295	473,885	440,969	539,020	594,493	693,573	NA	NA
Cash	4,947	6,641	9,316	7,407	21,403	31,519	NA	NA
Net Loans	372,829	428,489	376,811	307,220	395,901	457,116	NA	NA
Investments	22,223	17,284	30,951	126,702	148,317	163,123	NA	NA
Other Assets	18,295	21,471	23,891	34,691	28,872	41,815	NA	NA
LIABILITIES	401,596	456,192	423,504	521,670	574370	666,182	NA	NA
Shares	374,209	420,328	396,453	458,519	504,029	603,711	NA	NA
Notes/Accounts Payable and other Liabilities	27,387	35,864	27,051	63,151	70,341	62,470	NA	NA
EQUITY CAPITAL b/	16,699	17,695	17,465	17,350	20,123	27,391	NA	NA
LIABILITIES & EQUITY CAPITAL	418,295	473,885	440,969	539,020	594,493	693,573	NA	NA
ALL SAVINGS & LOANS INSTITUTIONS:								
ASSETS	NA	291,105	309,909	410,792	492,560	407,986	NA	NA
Cash	NA	2,310	8,191	10,080	16,470	15,807	NA	NA
Loans and discounts	NA	264,439	242,863	268,833	460,082	262,326	NA	NA
Investments	NA	18,770	32,303	105,259	182,739	103,763	NA	NA
Other Assets	NA	7,686	26,552	31,620	32,478	26,090	NA	NA
LIABILITIES	NA							
Total Deposits c/	NA	216,642	241,023	320,216	404,456	297,186	NA	NA
Demand Deposits	NA	101,006	78,056	70,937	269	478	NA	NA
Time and Savings Dep.	NA	115,635	162,967	249,279	404,187	296,708	NA	NA
Other Liabilities	NA	56,269	48,889	71,491	70,701	90,157	NA	NA
EQUITY CAPITAL b/	NA	18,194	19,997	19,085	17,403	20,643	NA	NA
LIABILITIES & EQUITY CAPITAL	NA	291,105	309,909	410,792	492,560	407,986	NA	NA

a/ 1977, 1981 and 1982 do not include Alaska State Employee's Credit Union. 1980 assets of this credit union was eight million dollars.
b/ Reserves and undivided profits
c/ After 1981 time deposits include savings as well

Source: Alaska Department of Commerce and Economic Development, Division of Banking, Securities, Small Loans and Corporations.

Table H.3

Alaska Insurance Business Premium and Loss Statistics

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
				(thousands of dollars) a/						
TOTAL PREMIUMS WRITTEN										
Property & Casualty	96,223	142,156	203,661	268,102	277,554	249,854	243,067	309,635	343,717	411,772
Fire	8,558	7,774	9,215	9,861	9,014	7,847	6,046	8,414	6,978	8,303
Workmen's Compensation	20,949	43,135	76,706	107,149	106,733	77,232	77,231	108,284	121,761	119,750
Auto	36,363	52,554	69,617	90,719	83,924	94,543	86,428	99,398	110,929	134,519
Accident & Health	25,403	36,412	40,341	49,778	47,552	47,836	52,577	59,321	81,005	114,110
Disability	40,165	58,234	69,889	85,341	81,377	84,548	99,440	119,786	135,219	163,584
Life	36,345	43,710	47,643	59,477	66,474	73,655	75,608	80,764	104,128	118,079
Surplus Line	12,776	14,811	28,480	31,807	39,907	43,520	52,509	55,987	52,834	44,021
Title	4,374	6,918	6,375	7,837	8,399	7,899	8,064	12,285	12,825	19,343
PREMIUMS EARNED b/										
Property & Casualty	8,467	8,554	8,979	9,328	9,009	8,118	6,532	7,958	6,952	7,139
Fire	20,202	40,184	73,117	107,995	106,679	73,746	75,443	100,039	109,791	125,037
Workmen's Compensation	34,590	47,765	62,469	85,228	95,211	94,562	88,264	95,205	104,212	129,322
Auto	25,802	36,363	40,341	50,670	45,723	48,786	53,805	55,284	80,332	112,574
Accident & Health	4,208	5,711	4,212	7,664	9,340	5,374	6,994	9,962	12,377	16,871
Title										
LOSSES INCURRED c/										
Property & Casualty	1,786	4,360	6,615	9,739	663	2,243	1,420	5,216	4,265	2,349
Fire	17,069	24,576	54,370	76,660	102,603	64,098	63,132	42,134	30,363	70,678
Workmen's Compensation	22,942	40,493	50,016	44,961	47,567	43,939	48,935	70,783	62,013	106,020
Auto	18,802	25,798	NA	NA	31,456	36,007	35,441	38,014	51,941	51,364
Accident & Health	12,835	16,068	NA	NA	27,114	34,056	41,735	37,601	47,684	51,869
Life c/	11,322	6,855	8,911	9,697	11,833	16,774	29,734	23,307	17,471	13,181
Surplus Line										
LOSSES AS % OF PREMIUMS EARNED										
Property & Casualty	21.09	50.97	73.67	[illegible].41	7.36	27.63	21.74	65.54	61.35	32.90
Fire	84.49	61.16	74.36	70.98	96.18	86.92	83.68	42.12	27.66	56.53
Workmen's Compensation	66.33	84.78	80.07	52.75	49.96	46.47	55.44	74.35	59.51	81.98
Auto										

a/ All premium and loss statistics are on a calendar year basis.
b/ Not available for all lines of insurance business. Premiums could be written to cover several years, however, premiums earned are received during the current year.
c/ Benefits paid. Does not include the liability incurred by the annuities.

Source: Insurance Report, Alaska Department of Commerce and Economic Development, Division of Insurance.

Table H.4

Alaska Investments of
Insurance Companies Operating in Alaska

	1974	1980	1981	1982	1983	Percent Change 1982-1983
	(thousands of dollars as of December 31)					
Total Investments	436,095	2,466,328	2,570,259	2,835,327	3,054,744	7.74
Total Net Premiums a/	102,813	426,179	521,484	595,889	712,778	19.62
Type of Investment:						
Alaska State G.O. Bonds	190,961	134,076	132,823	247,127	218,483	-11.59
Alaska Political Subdivision Bonds		94,296	100,165	121,115	238,094	96.59
Alaska Industrial Bonds	92,079	1,045,874	1,040,294	1,101,362	1,047,565	-4.88
Alaska Public Utilities		70,285	5,600	38,500	48,000	24.68
Alaska Real Estate	51,807	309	6,460	9,132	9,198	.72
Alaska Mortgage		195,301	210,134	236,236	212,416	-10.08
Common Stock & Bond Investments */	83,064	257,275	273,458	155,518	143,005	-8.05
U.S. Housing Authority Bonds	3,096	3,451	2,623	2,437	2,671	9.60
Alaska Policyholders Loan & Liens	13,924	5,175	3,755	5,373	12,002	123.38
Bank & Time Certificates	1,083	1,629	2,082	285	11,934	4,087.37

a/ All companies.

Source: Insurance Report, Alaska Department of Commerce and Economic Development, Division of Insurance.

I. AGRICULTURE AND FORESTRY

FIGURES

Figure I.1 Alaska Agricultural Products: Value
Figure I.2 Alaska Timber Harvest: 1980-1984

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Table I.1 Volume of Alaska Agricultural Production by Product Type
Table I.2 Value of Alaska Agricultural Production by Product Type
Table I.3 Value of Alaska Agricultural Production by Location
Table I.4 Volume, Value and Average Stumpage Price of Timber Sold on Publicly Owned or Managed Lands in Alaska: 1974-1984
Table I.5 Alaska Timber Harvest on Public Lands
Table I.6 Timber Harvest in Southeast Alaska by Ownership: 1980-1984
Table I.7 Southeast Alaska Timber Industry's Impact on Total Alaska Employment: 1977-1984
Table I.8 1984 Southeast Alaska Sawlog and Pulpmill Production and Annual Capacities

Figure I.1

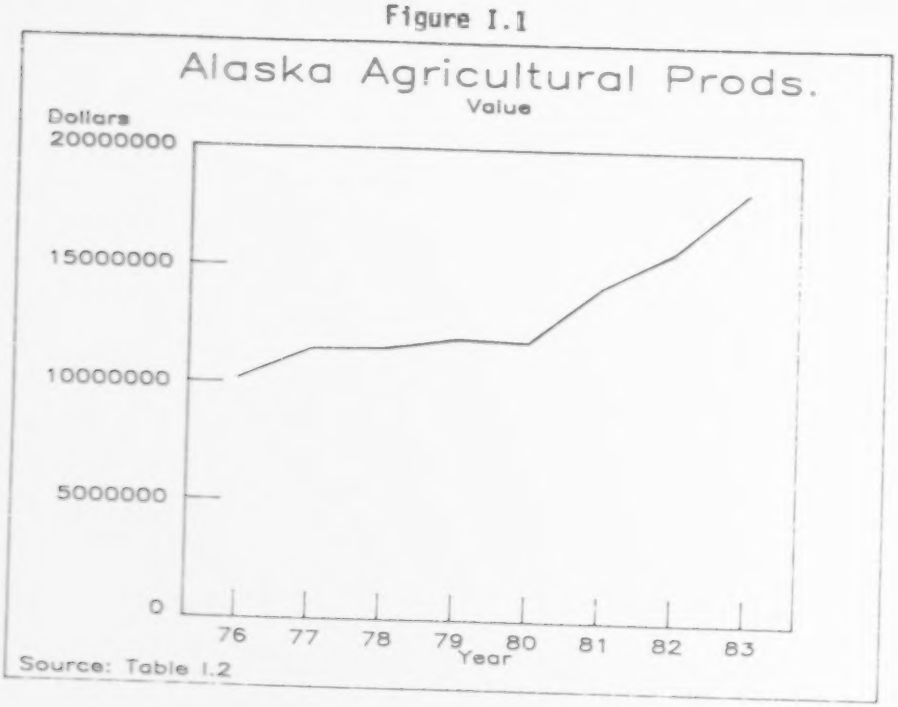


Figure I.2

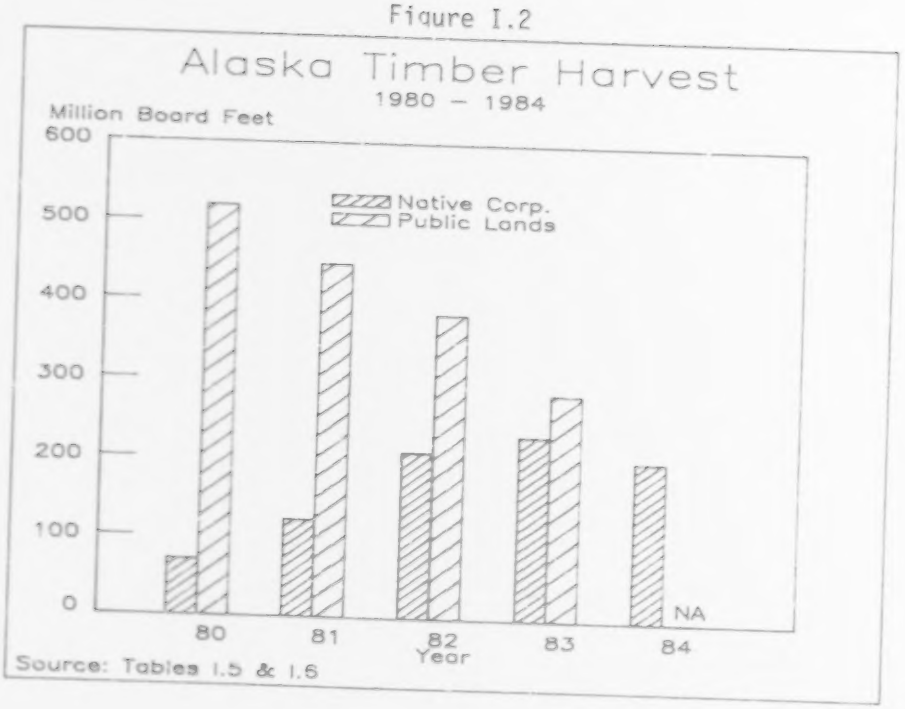


Table I.1

Volume of Alaska Agricultural Production by Product Type

Product Type a/	1976	1977	1978	1979	1980	1981	1982	1983
Field Crops:								
Oats (bu.)	12,000	20,000	28,000	16,000	26,000	22,000	31,000	38,000
Barley (bu.)	67,000	126,000	150,000	287,000	339,000	251,000	315,000	369,000
Hay (tons)	19,000	21,000	20,000	16,000	15,000	20,000	14,000	22,000
Silage (tons)	11,000	12,000	12,000	12,000	12,000	13,000	10,000	14,000
Vegetable Crops:								
Potatoes (cwt.)	91,000	115,000	81,000	85,000	77,000	95,000	102,000	118,000
Lettuce (cwt. or ctn.) b/	10,000	11,000	11,000	13,000	11,000	23,000	29,000	36,000
Cabbage (cwt. or ctn.) b/	4,000	4,000	4,000	4,000	4,000	9,000	12,000	7,000
Carrots (cwt.)	3,000	3,000	2,000	2,000	3,000	4,000	3,000	2,000
Other (cwt.) c/	3,000	2,000	3,000	4,000	5,000	5,000	6,000	6,000
Livestock Products:								
Milk (lbs.)	16,000,000	16,400,000	14,800,000	13,000,000	12,500,000	13,400,000	13,800,000	13,500,000
Eggs (doz.)	500,000	517,000	392,000	558,000	375,000	558,000	733,000	1,300,000
Beef & Veal (dr. wt.)	716,000	522,000	626,000	748,000	767,000	749,000	801,000	835,000
Pork (dr. wt.)	114,000	183,000	250,000	221,000	232,000	294,000	604,000	899,000
Poultry Meat (dr. wt.)	140,000	118,000	150,000	170,000	161,000	231,000	176,000	146,000
Lamb & Mutton (dr. wt.)	15,000	24,000	36,000	24,000	18,000	18,000	53,000	21,000
Wool (dr. wt.)	51,000	44,000	28,000	32,000	35,000	16,000	28,000	23,000
Reindeer Meat (dr. wt.)	NA	312,000	NA	NA	NA	NA	273,000	275,000

a/ Unit Definitions:
bu. - bushel.
cwt. - 100 weight, which is 100 pounds times the volume shown.
ctn. - number of cartons.
dr. wt. - dressed weight in pounds.

b/ The production volume measure for lettuce and cabbage was changed in 1981 from cwt. to ctn. Volumes in cwt. after 1980 are not available. Assuming that in 1981 lettuce production was approximately the same as in 1980, then we have estimated that one carton of lettuce is equivalent to 48 lbs., and that one carton of cabbage is equivalent to 45 lbs. However, since carton size may vary from year to year, this conversion is not strictly applicable to all years after 1980.

c/ Excludes greenhouse grown vegetables.

Source: Alaska Agricultural Statistics, Alaska Crop and Livestock Reporting Service.

Table I.2

Value of Alaska Agricultural Production by Product Type a/

Product	1976	1977	1978	1979	1980	1981	1982	1983 b/
				(dollars)				
Alaska Total	10,160,000	11,461,000	11,508,000	11,971,000	11,819,000	14,210,000	15,746,000	18,335,000
Livestock Products:	4,383,000	4,480,000	4,220,000	4,135,000	1,147,000	5,088,000	6,385,000	7,261,000
Meat Animals	498,000	456,000	602,000	560,000	494,000	571,000	954,000	1,193,000
Cattle and Calves	403,000	298,000	367,000	334,000	268,000	287,000	309,000	333,000
Sheep and Lambs	4,000	7,000	11,000	7,000	5,000	9,000	20,000	9,000
Hogs and Pigs	91,000	151,000	224,000	219,000	221,000	275,000	625,000	851,000
Dairy Products	2,725,000	2,814,000	2,463,000	2,160,000	2,118,000	2,465,000	2,791,000	2,716,000
Milk, Wholesale	2,578,000	2,688,000	2,370,000	2,083,000	1,978,000	2,400,000	2,726,000	2,654,000
Milk, Retail	147,000	126,000	93,000	77,000	140,000	65,000	65,000	62,000
Poultry and Eggs	564,000	611,000	477,000	684,000	461,000	695,000	892,000	1,563,000
Poultry	11,000	11,000	9,000	15,000	11,000	25,000	19,000	16,000
Eggs	553,000	600,000	468,000	669,000	450,000	670,000	873,000	1,547,000
Misc. Livestock	596,000	599,000	678,000	731,000	1,074,000	1,375,000	1,748,000	1,789,000
Wool	45,000	33,000	21,000	29,000	25,000	8,000	18,000	12,000
Other Livestock c/	551,000	566,000	657,000	702,000	1,049,000	1,349,000	1,730,000	1,777,000
Reindeer d/	-	471,000	-	-	-	-	877,000	710,000
Crops:	5,777,000	6,981,000	7,288,000	7,836,000	7,672,000	9,122,000	9,361,000	11,074,000
Feed Crops	1,751,000	1,791,000	1,862,000	1,792,000	1,853,000	2,684,000	2,402,000	3,080,000
Barley	217,000	364,000	496,000	783,000	885,000	869,000	997,000	1,059,000
Hay	1,513,000	1,391,000	1,326,000	988,000	952,000	1,776,000	1,311,000	1,944,000
Oats	21,000	36,000	40,000	21,000	16,000	39,000	94,000	79,000
Vegetables	1,296,000	1,223,000	1,247,000	1,322,000	1,725,000	2,148,000	2,073,000	2,447,000
Potatoes	870,000	805,000	736,000	775,000	1,137,000	1,502,000	1,336,000	1,656,000
Misc. Vegetables	426,000	418,000	511,000	547,000	588,000	646,000	737,000	791,000
Berries	16,000	17,000	20,000	25,000	25,000	27,000	25,000	28,000
Misc. Crops e/	2,714,000	3,590,000	4,159,000	4,697,000	4,069,000	4,263,000	4,861,000	5,517,000

a/ Values, expressed in dollars from Alaska farm cash receipts, do not include values for unsold products. All values are estimates based upon farmers voluntarily reporting the value of their cash receipts.
b/ Preliminary figures.
c/ Includes equine, goats, honey, mink, rabbits, reindeer and other livestock and livestock products.
d/ Includes the sales value for antlers, hides and other by-products.
e/ Includes forest products, greenhouse, nursery, seed and other field crops not mentioned above.

Source: Alaska Agricultural Statistics, Alaska Crop and Livestock Reporting Service.

Table I.3

Value of Alaska Agricultural Production by Location a/

Year	Matanuska Valley	Tanana Valley	Kenai Peninsula	Southeast Alaska	Southwest Alaska	Total
			(dollars)			
1960	3,789,000	1,009,000	310,000	297,000	159,000	5,563,000
1961	4,096,000	855,000	344,000	265,000	148,000	5,708,000
1962	3,927,000	969,000	358,000	233,000	174,000	5,660,000
1963	3,698,000	852,000	389,000	192,000	188,000	5,319,000
1964	3,922,000	909,000	404,000	166,000	242,000	5,643,000
1965	3,401,000	996,000	528,000	136,000	239,000	5,299,000
1966	3,804,000	656,000	445,000	50,000	312,000	5,268,000
1967	3,893,000	675,000	352,000	25,000	298,000	5,243,000
1968	3,730,000	606,000	296,000	20,000	259,000	4,911,000
1969	3,271,000	430,000	276,000	20,000	275,000	4,272,000
1970	3,991,000	655,000	211,000	15,000	280,000	5,153,000
1971	3,935,000	646,000	186,000	16,000	181,000	4,964,000
1972	4,615,000	917,000	219,000	14,000	231,000	5,997,000
1973	5,116,000	1,246,000	274,000	6,000	345,000	6,987,000
1974	6,181,000	1,060,000	406,000	17,000	417,000	8,080,000
1975	6,602,000	1,791,000	506,000	10,000	316,000	9,225,000
1976	6,488,000	1,532,000	407,000	9,000	367,000	8,804,000
1977	7,305,000	1,602,000	601,000	12,000	269,000	9,790,000
1978	6,581,000	1,881,000	494,000	17,000	298,000	9,270,000
1979	6,533,000	1,777,000	483,000	22,000	338,000	9,152,000
1980	6,472,000	2,285,000	609,000	16,000	349,000	9,731,000
1981	7,694,000	3,243,000	837,000	19,000	378,000	12,161,000
1982	7,208,000	3,793,000	1,123,000	18,000	446,000	12,588,000
1983	9,566,000	3,997,000	1,610,000	25,000	256,000	15,453,000

a/ Expected production and production values are estimated by farmers, who voluntarily report these estimates to the Alaska Crop and Livestock Reporting Service. The figures in this table are, thus, derived by the Alaska Crop and Livestock Reporting Service from farmers' estimates.

Source: Alaska Agricultural Statistics, Alaska Crop and Livestock Reporting Service.

Table I.4

Volume, Value and Average Stumpage Price of Timber Sold on Publicly Owned or Managed Lands in Alaska: 1974-1984 a/

Agency	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984 b/
	Volume d/ (thousand board feet, Scribner scale)										
Total Volume	158,048	159,663	18,192	2,546	182,654	508,350	163,153	182,334	104,533	152,139	65,625
State of Alaska	21,146	4,655	2,358	2,412	6,932	156,235	4,949	18,402	24,154	72,145	15,745
U.S. BIA c/	8,787	7,060	0	0	440	258,360	12,794	200	7,680	0	0
U.S. BLM c/	174	930	215	54	142	22	125	32	1,270	0	0
U.S. Forest Ser.	127,941	147,018	15,619	80	175,140	93,733	145,285	163,700	71,429	79,994	49,880
	Value (thousands of dollars)										
Total Value	4,706	4,217	451.3	85.0	9,293.4	16,846.7	16,843.9	8,033.6	3,703.9	7,531.4	1,104.2
State of Alaska	635	81	51.2	79.5	184.4	503.1	121.9	353.5	440.3	6,345.9	259.3
U.S. BIA	384	670	0	0	35.2	1,371.9	1,942.5	0.4	940.0	--	--
U.S. BLM	1	54	4.3	0.5	13.5	750.0	750.0	1.1	35.7	--	--
U.S Forest Ser.	3,686	3,412	395.7	5.0	9,060.0	14,970.1	14,778.4	7,679.2	2,287.9	1,185.5	844.9
	Average Stumpage Price (dollars per thousand board feet)										
Average Price	29.77	26.41	24.81	33.37	50.88	33.14	103.24	44.06	35.43	49.46	16.80
State of Alaska	30.02	17.44	21.72	32.96	26.60	3.22	24.63	19.21	18.23	87.96	16.50
U.S. BIA	43.67	94.85	--	--	80.00	5.31	151.83	2.00	122.40	--	--
U.S. BLM	6.15	57.72	20.00	9.17	94.72	34.09	6.00	34.00	28.08	--	--
U.S. Forest Ser.	28.81	23.21	25.34	63.00	51.73	159.71	101.72	46.91	32.03	14.82	16.90

a/ Not all timber sold is harvested in the same year. b/ First Three Quarters.
c/ BLM - Bureau of Land Management. BIA - Bureau of Indian Affairs.
d/ Volume of timber sold on public lands has been generally lower than timber harvested (Table I.5) over the years reported. The reason behind this is the harvesting from long-term timber sale lands - particularly from sales in the early fifties.

Source: U.S. Department of Agriculture, Forest Service.

Table I.5

Alaska Timber Harvest on Public Lands a/

Year	State of Alaska	Bureau of Indian Affairs	Bureau of Land Management		National Forest		Total
			Free Use	Cut	Tongass	Chugach	
			(thousand board feet, Scribner scale)				
1974	51,241	12,083	39	114	544,025	5,608	613,110
1975	33,540	52	50	930	408,371	4,683	447,626
1976	41,714	1,011	844	295	462,776	9,402	516,042
1977	60,251	7,835	325	29	447,332	8,369	524,141
1978	30,301	1,799	1,862	149	398,701	9,873	442,685
1979	32,381	480	159	121	453,194	6,314	492,649
1980	47,547	17,169	484	50	452,122	1,565	518,937
1981	53,687	4,275	330	32	385,685	1,814	445,823
1982	35,198	2,895	NA	NA	344,857	679	NA
1983	27,900	5,900	NA	NA	251,177	751	NA

a/ Excludes timber harvest on land owned by Native Corporations.

Source: U.S. Department of Agriculture, Forest Service

Table I.6

Timber Harvest in Southeast Alaska
by Ownership: 1980-1984

Owner or Managing Agency	1980	1981	1982	1983	1984
		(MBF log scale)			
Total	542.8	515.5	562.7	492.0	457.2
State of Alaska	5.1	5.4	5.7	5.6	4.7
BIA/Annette Island	15.3	2.5	2.9	3.2	0.7
Tongass National Forest	452.1	385.7	344.9	251.2	249.8
Native Corporations	70.3	122.0	209.2	232.0	202.0

Source: Timber Supply and Demand 1984, U.S.D.A., Forest Service, 1985.

Table I.7

Southeast Alaska Timber Industry's Impact on
Total Alaska Employment: 1977-1984 a/

Sector	1977	1978	1979	1980	1981	1982	1983	1984
Total Alaska a/ Employment Impact	4,017	3,455	3,730	4,365	3,670	3,585	2,123	2,667
Timber Industry b/	2,877	2,455	2,620	3,055	2,540	2,445	2,103	1,797
Logging	1,056	906	984	1,276	995	1,101	983	856
Sawmills	608	514	640	753	579	544	410	360
Pulpmills	1,223	1,035	996	1,026	996	800	710	581
Other Sectors	1,130	1,000	1,110	1,310	1,130	1,140	1,020	870

a/ Total Alaska employment arising from the Southeast Alaska timber industry is broken into two groups: i) direct employment of the timber industry and, ii) indirect and induced employment in other sectors induced by timber industry employment. The multiplier effect of timber industry employment on other sectors is computed by the USDA Forest Service input/output model.

b/ For total timber industry employment in Alaska see lumber and paper products employment in Table C.2.

Source: Timber Supply and Demand 1984, U.S.D.A., Forest Service, Alaska Region, 1985.

Table I.8

1984 Southeast Alaska Sawlog and Pulpmill Production and Annual Capacities

Company	Location	Sawlog		Pulp	
		Capacity a/	Amount Sawn	Capacity	Amount Produced
		(MMBF)		(million tons)	
TOTAL b/		329	126.8	392	237
Alaska Timber Co.	Klawock	45	5.8	-	-
Alaska Pulp Corp.	Sitka	-	-	192	152
Wrangell Forest Prod.	Wrangell	68	35.0	-	-
Louisiana Pacific c/	Annette Island	60	75.4	-	-
Louisiana Pacific	Ketchikan	60	0.0	200	85
Mitkof Lumber Co.	Petersburg	15	3.6	-	-
Pacific Forest Prod.	Haines	30	6.0	-	-
Yakutat-Kwan/Koncor d/	Yakutat	15	1.0	-	-
Other	Southeast Alaska	(36)	NA	-	-

a/ Capacity based on one shift.
b/ Total does not include the other 36 small mills operating intermittently.
c/ The Annette mill was running two shifts because of the closure of the Ketchikan mill in 1984.
d/ A newly constructed mill in 1984. Production limited to trial runs.

Source: Timber Supply and Demand 1984, U.S. Department of Agriculture, Forest Service, Alska Region, 1985 (Draft).

J. FISHING

FIGURES

Figure J.1 Alaska Fish Catch: Ex-vessel Value
Figure J.2 Alaska Fish Production: Wholesale Value
Figure J.3 Price of Salmon, Fin Fish and Shellfish: Average Ex-vessel and Wholesale

TABLES

Table J.1 Fin Fish Catch and Value to Fishermen by Species
Table J.2 Salmon Catch and Value to Fishermen by Species
Table J.3 Shellfish Catch and Value to Fishermen by Species
Table J.4 Fish Production Quantity and Value

Figure J.1

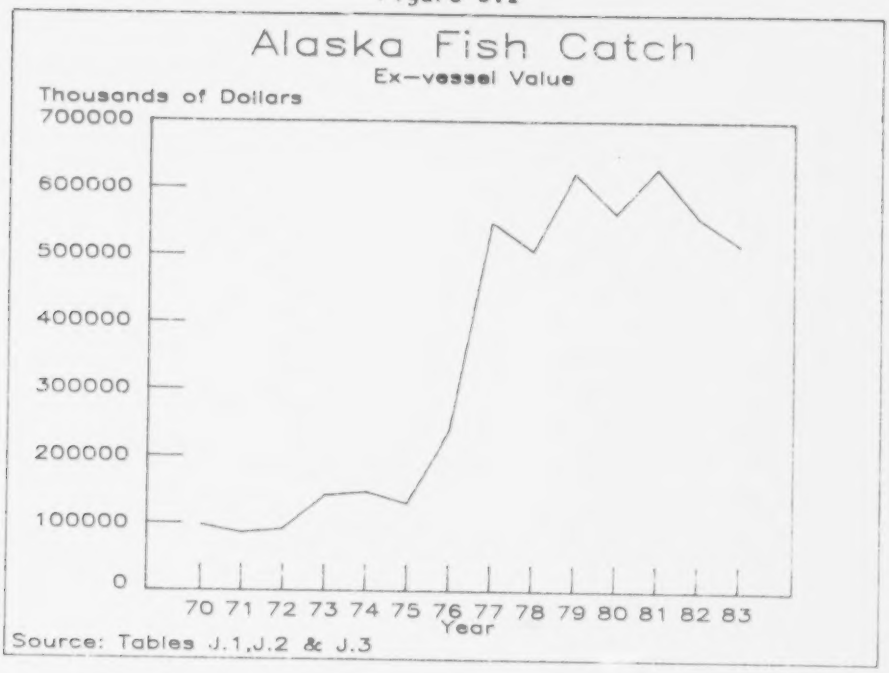


Figure J.2

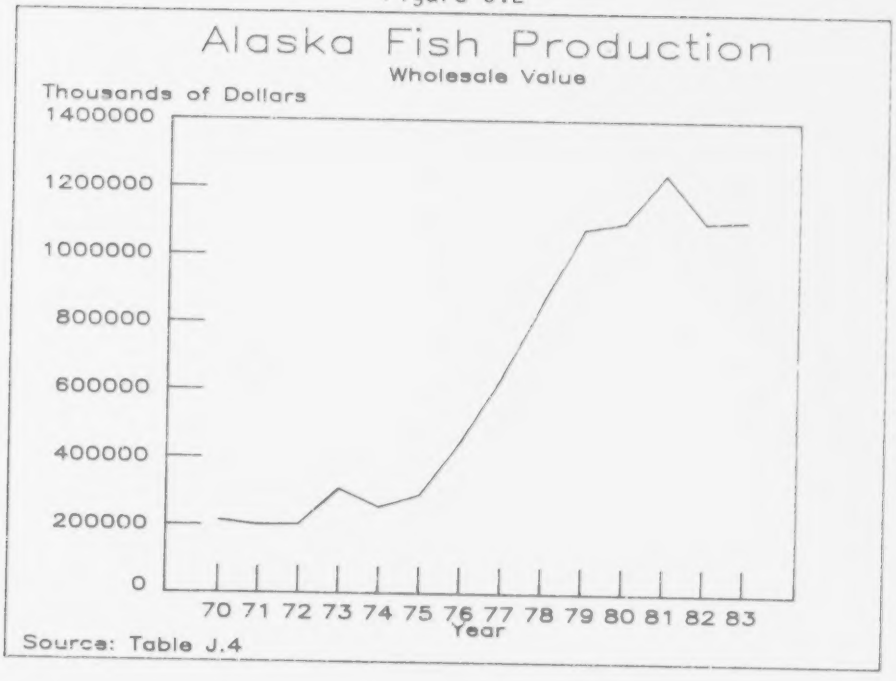
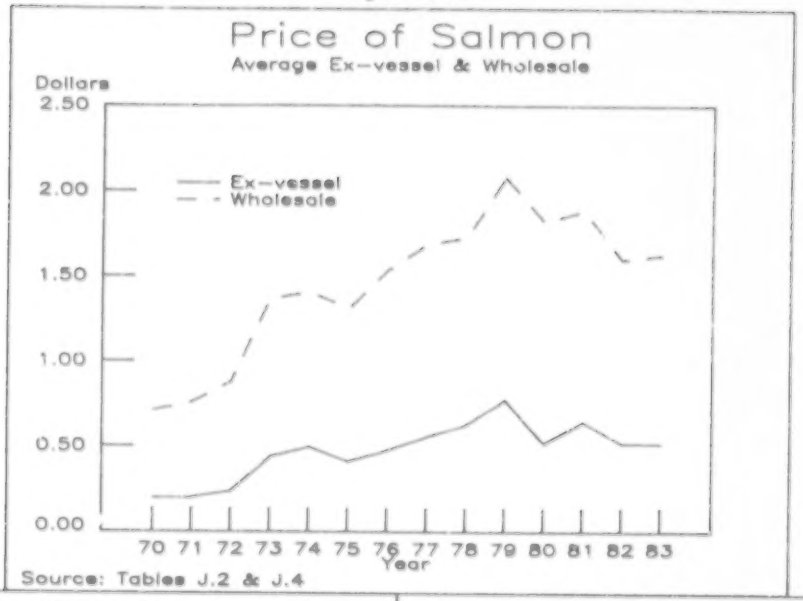
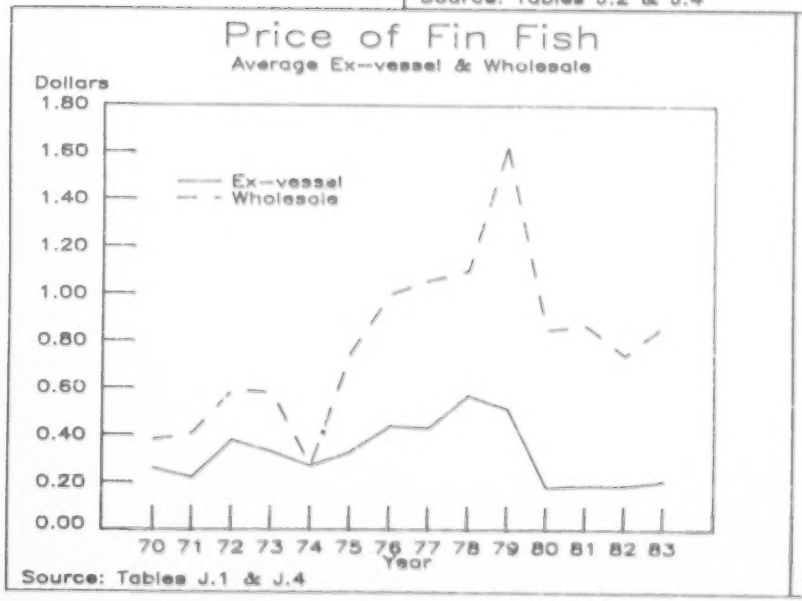


Figure J.3


Price of Salmon
Average Ex-vessel & Wholesale
Dollars
2.50
2.00
1.50
1.00
0.50
0.00
Ex-vessel
Wholesale
70 71 72 73 74 75 76 77 78 79 80 81 82 83
Year
Source: Tables J.2 & J.4


Price of Fin Fish
Average Ex-vessel & Wholesale
Dollars
1.80
1.60
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00
Ex-vessel
Wholesale
70 71 72 73 74 75 76 77 78 79 80 81 82 83
Year
Source: Tables J.1 & J.4

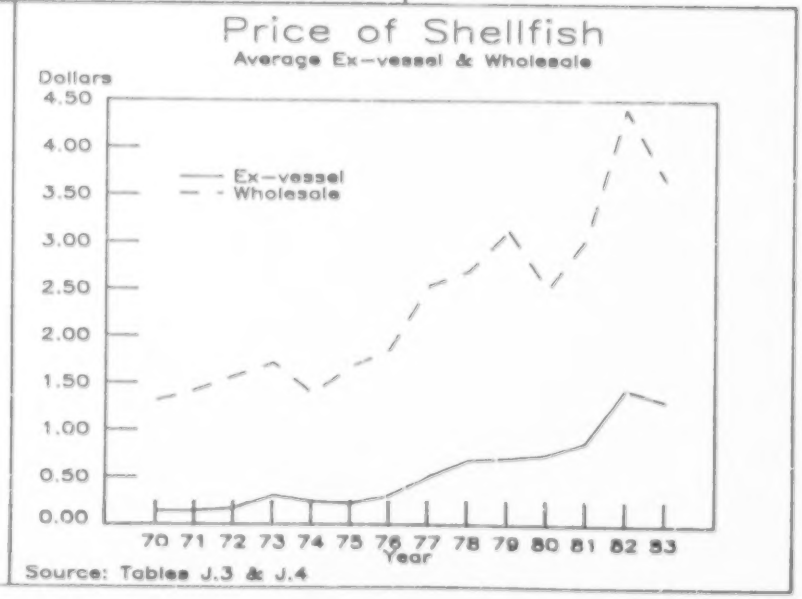

Price of Shellfish
Average Ex-vessel & Wholesale
Dollars
4.50
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
Ex-vessel
Wholesale
70 71 72 73 74 75 76 77 78 79 80 81 82 83
Year
Source: Tables J.3 & J.4

Table J.1

Alaska Fin Fish Catch and Value to Fishermen by Species a/

Year	Pacific Cod		Flounder & Sole b/		Rockfish c/		Pacific Pollock		Sablefish (Black Cod)		Other Groundfish		Herring Roe on Kelp	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
1970	-	-	-	-	-	-	-	-	814	150	81	6	229	115
1971	-	-	-	-	-	-	-	-	596	99	282	38	821	390
1972	-	-	-	-	-	-	-	-	1,659	456	1	0	600	300
1973	-	-	-	-	190	34	-	-	1,911	474	1,277	144	306	153
1974	-	-	-	-	198	54	-	-	1,718	532	1,283	250	581	221
1975	-	-	-	-	217	35	-	-	2,400	786	444	44	1,018	647
1976	-	-	-	-	284	49	-	-	1,759	668	1,623	373	-	-
1977	-	-	-	-	230	44	-	-	1,812	1,113	1,559	244	-	-
1978	-	-	-	-	188	51	-	-	2,576	1,810	4,914	1,050	469	106
1979	3,463	935	831	156	766	185	4,475	400	5,123	4,247	1,032	276	7,899	4,457
1980	12,800	1,494	-	-	444	104	2,254	148	3,644	1,429	1,728	331	1,274	1,197
1981	33,473	5,319	791	128	771	268	1,757	124	2,839	1,109	662	177	605	536
1982	59,632	9,584	439	116	611	258	5,312	351	4,748	3,279	233	78	652	842
1983	100,598	13,938	765	150	976	407	2,369	113	6,126	3,184	7,517	113	630	951

Year	Herring d/		Bait Herring		Sac Roe Herring		Food Herring		Other Misc. Fish e/		Halibut f/		Total		
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Price a/
1970	7,418	164	-	-	-	-	-	-	378	45	26,087	8,517	35,008	8,997	.26
1971	10,117	269	-	-	-	-	-	-	139	33	23,911	7,237	35,867	8,067	.22
1972	14,050	418	-	-	-	-	-	-	505	64	20,483	12,322	37,470	13,584	.38
1973	34,870	2,660	-	-	-	-	-	-	440	65	24,751	17,385	35,027	12,520	.33
1974	38,862	4,130	-	-	-	-	-	-	499	138	16,498	10,953	59,639	16,278	.27
1975	35,576	1,874	-	-	-	-	-	-	167	46	17,989	15,226	57,810	18,657	.33
1976	32,648	2,416	-	-	791	378	-	-	85	28	16,838	20,487	54,018	24,129	.44
1977	31,200	2,484	-	-	694	174	-	-	1,734	358	13,955	17,603	51,184	22,020	.43
1978	-	-	10,839	1,060	24,731	6,008	45	24	2,146	398	14,203	23,362	60,110	33,869	.57
1979	-	-	10,978	1,488	41,689	26,764	-	-	251	33	15,822	20,410	76,507	38,981	.51
1980	-	-	6,173	622	73,697	13,216	3,150	103	47	20	14,242	13,444	105,211	18,664	.18
1981	-	-	6,719	722	91,123	18,395	1,780	236	34	13	19,876	18,857	140,555	27,027	.19
1982	-	-	10,229	1,301	83,892	16,807	9,485	933	110	39	23,259	25,400	175,342	33,590	.19
1983	-	-	7,585	937	95,344	26,690	4,691	1,217	64	34	32,683	36,400	226,663	47,735	.21

a/ Catch is expressed in thousands of pounds and ex-vessel value in thousands of dollars. The price figure in the last column is the average ex-vessel dollar price per pound received by fishermen.
b/ Figures for 1979 for flounder (general), flounder (starry), and sole were collapsed across into the Flounder and Sole column.
c/ For this table, beginning in 1979 Pacific Ocean Perch was combined with Rockfish.
d/ Until 1978, Bait Herring, Food Herring and Sac Roe Herring were represented as one figure.
e/ Trout, Char, Whitefish and Smelt have been included in the Other Misc. Fish category.
f/ Halibut value figures for 1979 and 1980 were estimated from Annual Report 1983, International Pacific Halibut Commission.

Sources: Alaska Catch and Production, Department of Fish and Game, tables on "Catch and Value to Fishermen by Species and Region: Summary". Annual Report 1983, International Pacific Halibut Commission.

Table J.2

Alaska Salmon Catch & Value to Fishermen by Species a/

Year	Chinook (King)		Sockeye (Red)		Coho (Silver)		Pink (Humpy)		Chum (Dog)		Salmon Roe		Total		
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Price a/
1970	11,547	5,035	150,812	37,249	11,898	3,512	117,718	15,563	54,491	6,616	NA	NA	364,465	67,975	.20
1971	11,972	4,688	87,288	22,849	11,459	2,820	86,260	13,518	54,726	7,536	NA	NA	251,705	51,411	.20
1972	9,973	3,731	41,984	13,180	13,035	5,583	59,969	10,882	64,823	11,919	NA	NA	189,784	45,295	.24
1973	8,917	7,880	35,248	15,327	9,837	7,470	36,610	11,666	45,881	17,716	NA	NA	136,493	60,059	.44
1974	9,290	6,945	32,246	22,129	12,820	8,681	40,072	14,001	37,174	13,977	NA	NA	131,603	65,733	.50
1975	7,165	5,355	42,848	19,263	7,745	4,405	49,970	16,056	32,060	10,851	NA	NA	137,790	55,927	.41
1976	8,916	8,447	75,689	45,992	11,159	10,065	102,419	34,872	47,675	18,583	NA	NA	245,858	117,957	.48
1977	12,102	14,500	89,771	68,273	15,403	14,625	129,554	45,574	60,548	27,803	NA	NA	307,379	170,775	.56
1978	16,305	20,180	116,767	113,993	19,979	21,120	183,994	62,503	52,615	26,105	NA	NA	389,660	243,899	.63
1979	15,054	22,597	171,824	189,592	23,918	28,053	186,838	74,908	45,043	29,008	277	413	442,954	344,571	.78
1980	12,536	17,035	186,664	114,123	22,462	17,796	217,886	84,517	71,812	34,386	354	599	511,714	268,456	.52
1981	15,746	23,748	225,956	196,301	26,051	23,853	244,677	105,851	99,572	47,578	408	697	612,463	398,013	.65
1982	16,897	27,080	189,555	156,533	46,559	40,146	219,426	47,476	90,247	38,752	462	681	563,091	310,684	.52
1983	15,683	18,223	305,661	212,817	26,890	16,186	193,977	47,974	79,186	25,015	343	353	621,740	320,578	.52

Note: Data are subject to rounding errors.

a/ Catch is expressed in thousands of pounds and value in thousands of dollars. The price figure in the last column is the average ex-vessel dollar price per pound received by the fishermen.

Source: Alaska Catch and Production, Department of Fish and Game, tables on "Catch and Value to Fishermen by Species and Region: Summary".

Table J.3

Alaska Shellfish Catch and Value to Fishermen by Species a/

Year	Clams		Scallops		Abalone		Dungeness Crab		King Crab		Tanner Crab		Shrimp		Total		
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Price a/
1970	160	40	1,440	1,484	NA	NA	9,696	1,414	52,061	13,190	14,473	1,417	74,256	2,980	152,088	20,525	.14
1971	243	70	931	990	1	2	3,749	610	70,703	19,077	12,880	1,369	94,891	3,909	183,399	26,027	.14
1972	214	69	1,167	1,400	3	3	5,448	1,968	74,427	21,887	30,135	3,731	83,830	4,493	195,224	33,551	.17
1973	231	89	1,109	1,331	3	3	6,423	3,427	76,824	44,702	61,719	10,756	119,964	9,341	266,274	69,649	.31
1974	225	99	504	656	NA	NA	3,818	1,973	95,214	39,154	63,906	13,052	108,741	11,091	272,409	66,024	.24
1975	32	14	436	593	12	12	3,034	1,649	97,628	38,251	46,857	7,019	98,984	7,904	246,983	55,443	.22
1976	2	1	265	413	1	1	1,546	630	105,899	68,689	80,771	16,166	128,682	11,572	317,165	97,472	.31
1977	4	3	22	39	12	15	1,162	436	98,399	102,029	98,464	35,466	116,083	20,665	314,146	158,652	.51
1978	77	77	0	0	181	254	7,169	4,709	121,275	154,972	129,556	50,915	73,342	16,873	331,600	227,800	.69
1979	156	92	25	69	386	784	6,334	4,116	149,660	148,745	130,589	71,992	50,613	12,867	337,786	238,732	.71
1980	152	79	632	2,129	250	418	5,912	3,173	185,719	191,749	121,666	60,090	52,308	16,843	366,639	274,481	.75
1981	524	275	925	3,871	371	445	15,110	10,451	88,628	123,124	98,959	49,381	27,843	17,132	232,360	204,679	.88
1982	492	242	914	3,193	113	240	15,869	11,800	39,748	106,584	70,666	82,893	17,165	6,750	144,967	211,702	1.44
1983	404	263	174	822	47	131	11,801	12,031	26,856	74,939	61,285	54,449	7,550	3,717	108,117	146,352	1.31

Note: Data are subject to rounding error.

a/ Catch is expressed in thousands of pounds and value in thousands of dollars. The price figure in the last column is the average ex-vessel dollar price per pound received by the fisherman.

Source: Alaska Catch and Production, Department of Fish and Game, tables on "Catch and Value to Fishermen by Species and Region: Summary".

Table J.4

Alaska Fish Production Quantity and Value a/

Year	Salmon			Other Fin Fish			Shellfish			Total c/	
	Production Quantity b/	Wholesale Value	Wholesale Price	Production Quantity	Wholesale Value	Wholesale Price	Production Quantity	Wholesale Value	Wholesale Price	Production Quantity	Wholesale Value
1970	217,000	155,000	.71	31,000	12,000	.38	36,000	47,000	1.31	285,000	214,000
1971	173,000	132,000	.76	29,000	12,000	.41	38,000	54,000	1.42	239,000	199,000
1972	120,000	106,000	.88	32,000	19,000	.59	49,000	77,000	1.57	202,000	203,000
1973	102,000	140,000	1.37	43,000	25,000	.58	83,000	142,000	1.71	227,000	308,000
1974	97,000	137,000	1.41	81,000	22,000	.27	69,000	95,000	1.38	248,000	254,000
1975	102,000	134,000	1.31	36,000	27,000	.75	79,000	132,000	1.67	217,000	293,000
1976	159,000	245,000	1.54	29,000	29,000	1.00	96,000	179,000	1.86	283,000	452,000
1977	194,000	327,000	1.69	35,000	37,000	1.06	110,000	279,000	2.54	339,000	643,000
1978	261,000	452,000	1.73	31,000	34,000	1.10	141,000	380,000	2.70	432,000	866,000
1979	292,000	607,000	2.08	52,000	84,000	1.62	124,000	387,000	3.12	468,000	1,078,000
1980	331,000	601,000	1.82	71,000	60,000	.85	175,000	437,000	2.50	578,000	1,100,000
1981	413,000	780,000	1.89	94,000	82,000	.87	125,000	380,000	3.04	632,000	1,242,000
1982	403,000	644,000	1.60	122,000	90,000	.74	83,000	365,000	4.40	609,000	1,099,000
1983	446,000	726,000	1.63	163,000	141,000	.87	65,000	238,000	3.66	674,000	1,106,000

a/ Production quantity is expressed in thousands of pounds, the wholesale value in thousands of dollars and the wholesale price in dollars per pound.

b/ Due to errors in original source data, Salmon Production Quantity for 1979 was estimated through comparative ratios of 1978 and 1980 Production Quantities. Salmon Price in 1979 and the Grand Total also reflect the estimated figure.

c/ There may be minor discrepancies in row totals. To avoid increasing rounding error, total figures have been rounded from original source data with the exception of Salmon in 1979 (see b/ above).

Source: Alaska Catch and Production, Department of Fish and Game.

K. ENERGY, OIL AND MINERALS

FIGURES

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Figure K.1

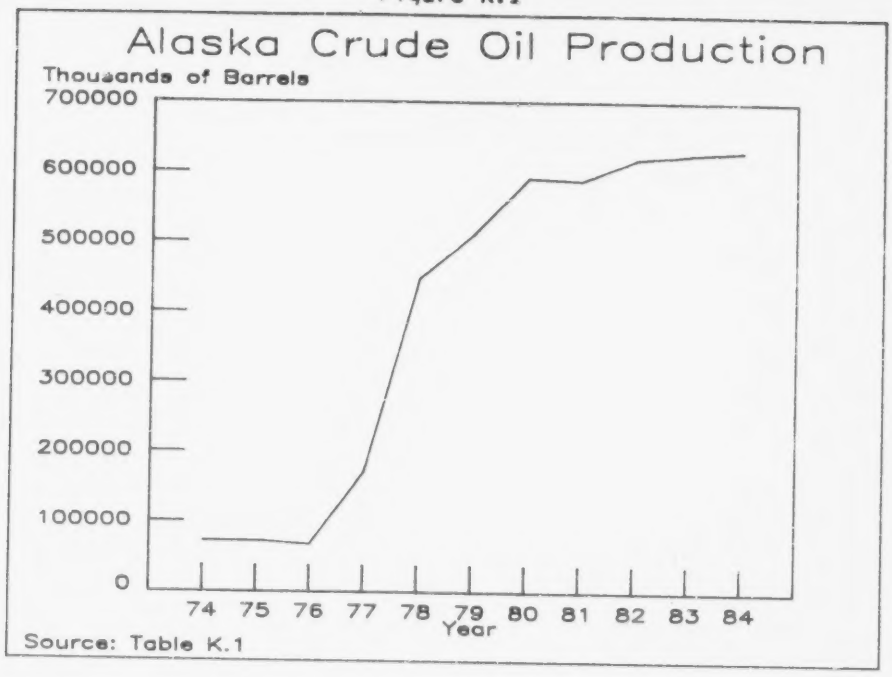


Figure K.2

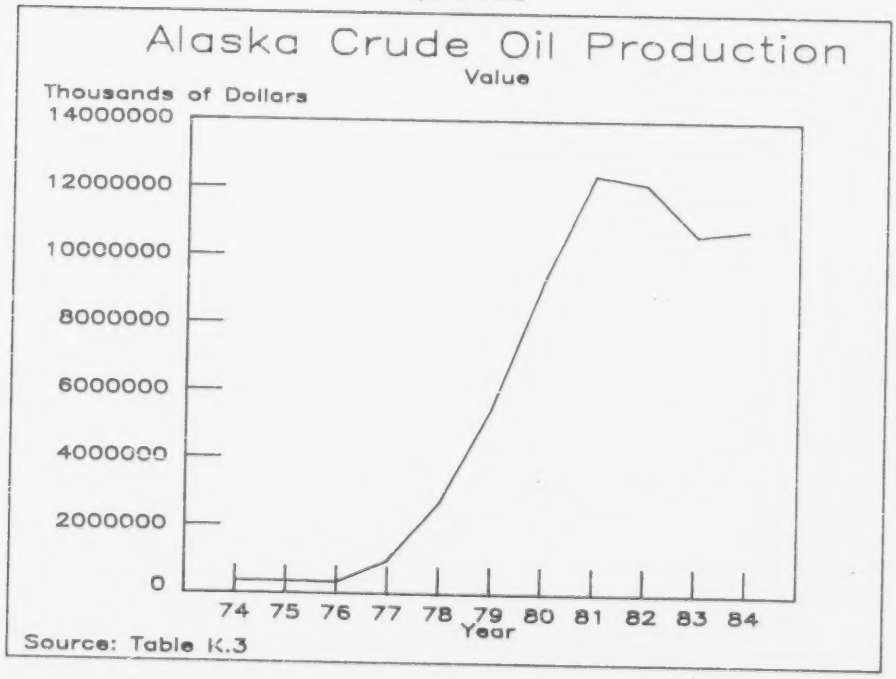


Figure K.3

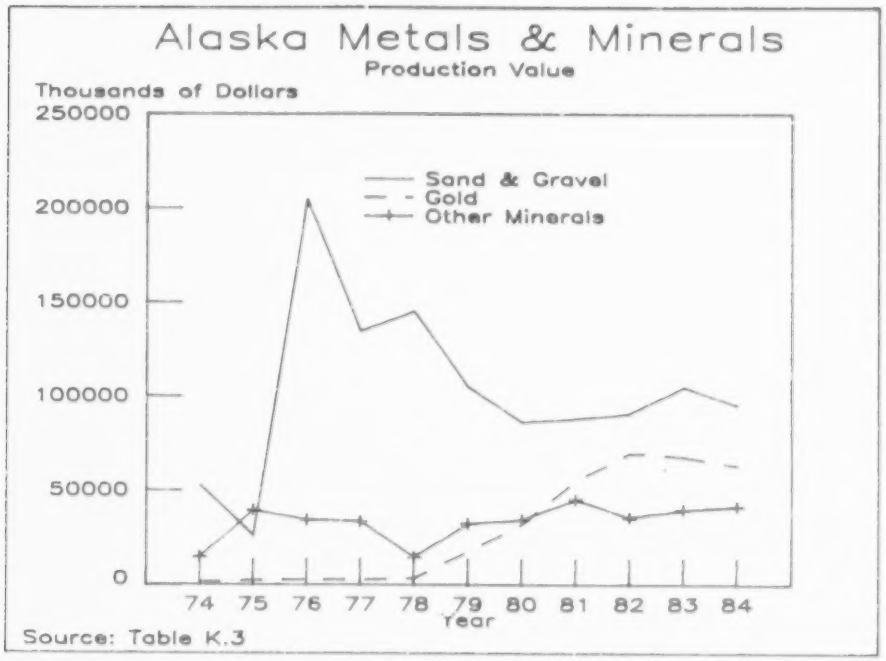


Figure K.4

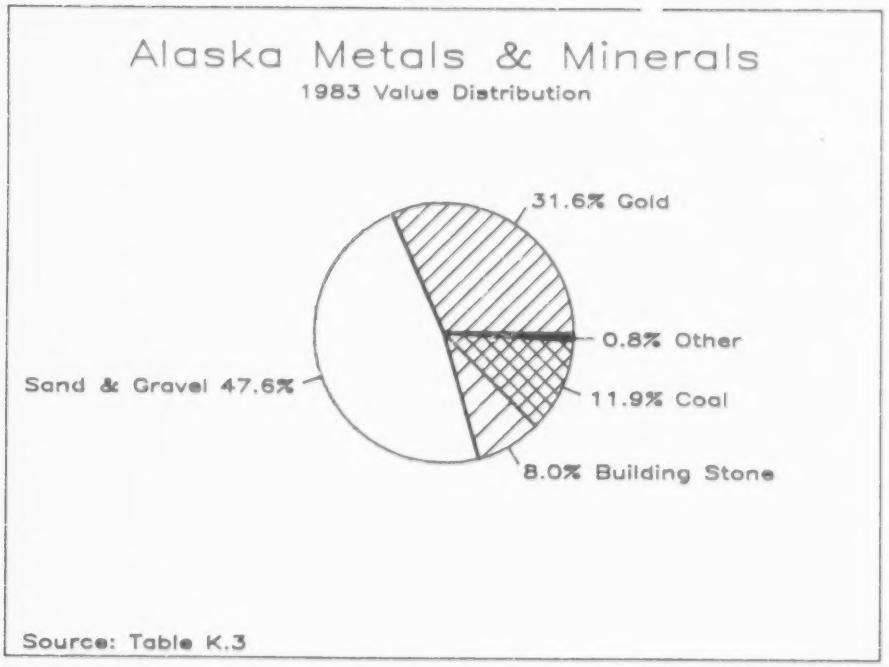
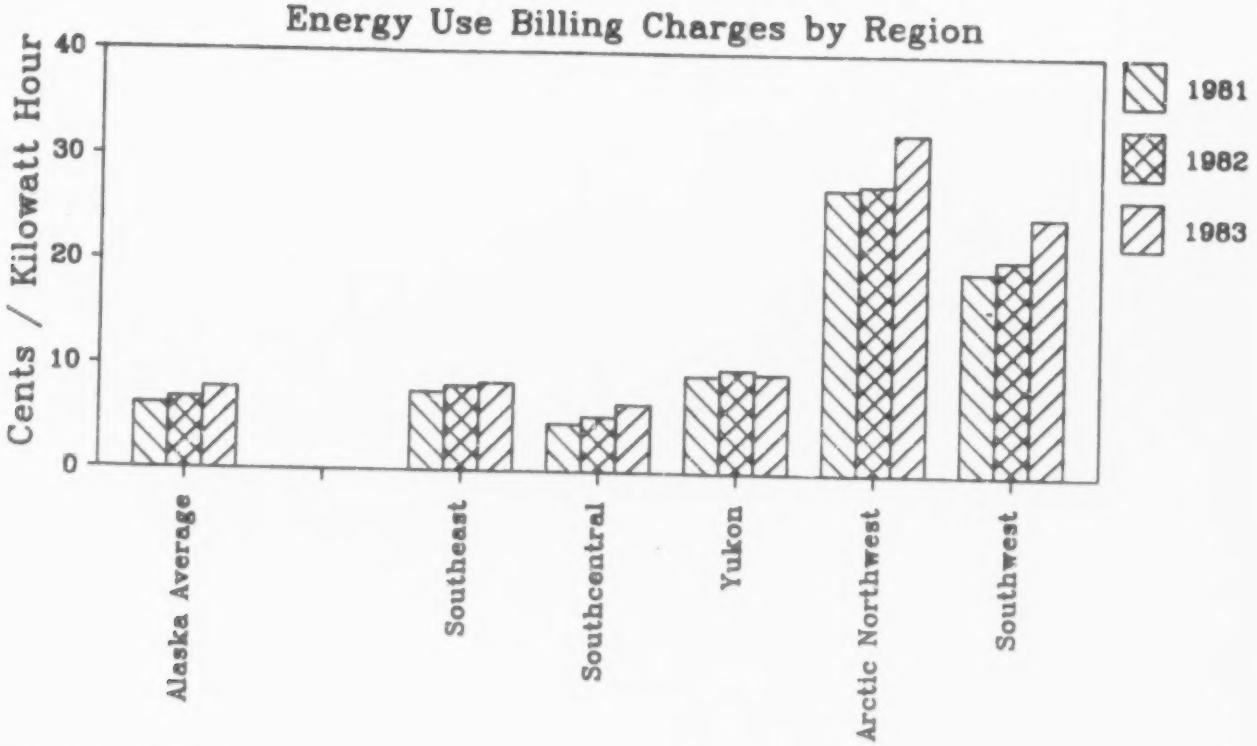


Figure K.5



Source: Table K.9

Figure K.6

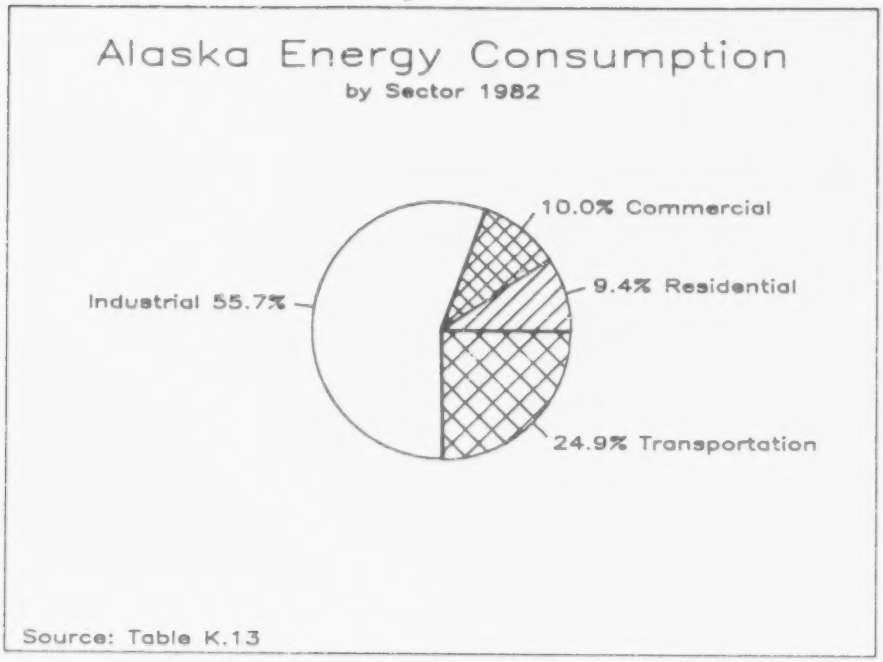


Figure K.7

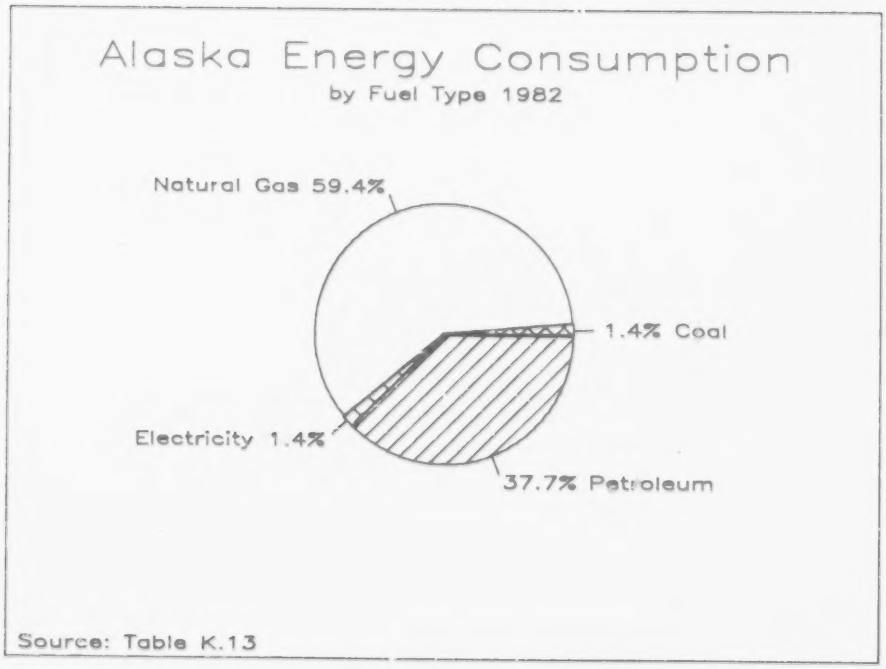
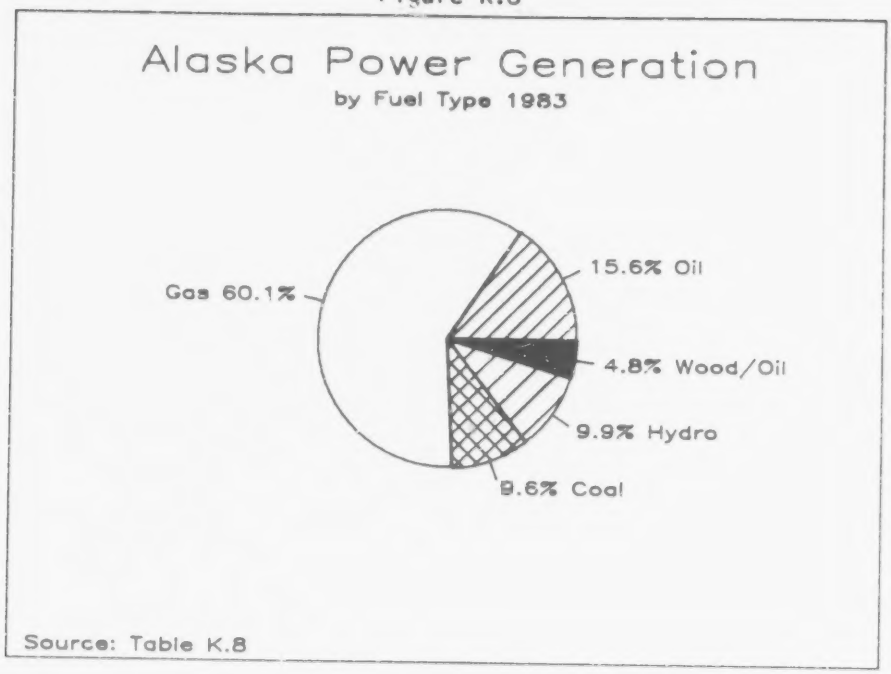


Figure K.8



Source: Table K.8

Table K.1

Alaska Crude Oil Production by Field
1959-1984

Year	COOK INLET						NORTH SLOPE		Total All Fields a/
	Beaver Creek	Granite Point	McArthur River	Middle Ground Shoal	Swanson River	Trading Bay	Prudhoe Bay	Kuparuk River	
	(42-Gallon Barrels)								
1959	-	-	-	-	187,000	-	-	-	187,000
1960	-	-	-	-	578,000	-	-	-	578,000
1961	-	-	-	-	6,327,000	-	-	-	6,327,000
1962	-	-	-	-	10,259,000	-	-	-	10,259,000
1963	-	-	-	-	10,740,000	-	-	-	10,740,000
1964	-	-	-	-	11,054,000	-	-	-	11,054,000
1965	-	2,000	1,000	27,000	11,099,000	2,000	-	-	11,131,000
1966	-	0	1,000	2,649,000	11,711,000	0	-	-	14,362,000
1967	-	7,052,000	749,000	7,404,000	12,980,000	729,000	-	-	28,913,000
1968	-	13,131,000	21,782,000	14,134,000	13,619,000	3,477,000	-	-	66,144,000
1969	-	9,183,000	31,301,000	10,467,000	13,151,000	9,936,000	277,000	-	74,315,000
1970	-	7,522,000	40,165,000	12,719,000	12,408,000	9,600,000	1,199,000	-	83,614,000
1971	-	5,577,000	40,537,000	11,304,000	11,466,000	8,744,000	1,157,000	-	78,785,000
1972	-	4,663,000	40,774,000	9,720,000	8,896,000	8,585,000	922,000	-	73,561,000
1973	416,000	4,767,000	38,884,000	10,239,000	10,064,000	7,825,000	944,000	-	73,139,000
1974	375,000	4,237,000	39,137,000	9,001,000	9,765,000	7,587,000	2,165,000	-	72,267,000
1975	322,000	4,361,000	40,876,000	8,670,000	8,754,000	6,128,000	2,870,000	-	71,980,000
1976	302,000	4,471,000	35,810,000	8,864,000	7,591,000	5,366,000	4,604,000	-	67,009,000
1977	276,000	4,711,000	33,235,000	7,616,000	5,981,000	4,276,000	115,258,000	-	171,352,000
1978	223,000	4,862,000	30,223,000	6,382,000	4,870,000	3,567,000	397,679,000	-	447,805,000
1979	211,000	4,613,000	25,440,000	5,423,000	4,344,000	2,892,000	468,412,000	-	511,335,000
1980	214,000	4,394,000	20,894,000	4,854,000	3,724,000	2,167,000	555,394,000	-	591,641,000
1981	180,000	3,981,000	18,022,000	4,291,000	2,938,000	1,666,000	555,173,000	1,092,000	587,342,000
1982	182,000	3,467,000	15,806,000	3,573,000	2,999,000	1,384,000	559,097,000	32,406,000	618,914,000
1983	170,000	3,550,000	13,564,000	3,381,000	3,017,000	1,081,000	560,924,000	39,879,000	625,566,000
1984	159,000	3,287,000	11,707,000	3,238,000	2,517,000	1,077,000	562,246,000	46,169,000	630,401,000

a/ Column contains rounding errors of ± 1,000 for years 1966-1968, 1970, 1972, 1975-1978, 1981, and 1984.

Source: Alaska Oil and Gas Conservation Commission, Department of Commerce and Economic Development.

Table K.2

Volume of Alaska Crude Oil, Gas and Mineral Production

1979	1980	1981	1982	1983	1984 a/	
Oil and Gas:						
Crude Petroleum (bbl)	511,335,000	591,641,000	586,342,000	618,913,766	625,566,017	630,401,049
Natural Gas (mcf) b/	NA	NA	NA	1,090,616,915	1,171,480,021	1,212,957,479
Metals:						
Gold (oz)	65,000	75,000	134,000	174,900	169,000	175,000
Silver (oz)	6,500	7,500	13,420	22,000	33,200	20,000
Platinum (oz)	0	W	0	W	W	W
Antimony (lbs)	W	NA	0	NR	22,400	135,000
Copper (lbs)	W	W	NA	NA	NA	NA
Tin (lbs)	100,000	120,000	106,000	198,000	215,000	225,000
Lead (lbs)	W	W	W	NA	NA	NA
Mercury (lbs)	NA	0	W	W	NR	380
Tungsten (stu)	390	250	305	NR	NR	NA
Industrial Minerals:						
Sand & Gravel (tons)	50,900,000	40,200,000	46,000,000	45,000,000	50,000,000	27,000,000
Building Stone (tons)	3,650,000	3,700,000	5,360,000	3,400,000	5,270,000	2,700,000
Barite (tons)	20,000	50,000	NA	NA	NA	NA
Jade & Soapstone (lbs)	NA	W	W	W	4,600	11,000
Other Minerals:						
Coal (tons)	750,000	750,000	800,000	830,000	803,000	849,161
Peat (cubic yds)	W	W	W	10,000	15,000	125,000

Notes: (1) Tons represents short tons; one short ton equals 2,000 pounds. One Short Ton Unit equals 20 pounds.
(2) Ounces represents Troy ounces; 12 Troy ounces equal one pound.
(3) Abbreviations: W - Withheld; NA - Not Available; NR - Not Reported; bbl - Barrel; mcf - Millions of cubic feet; stu - Short Ton Unit.

a/ Data for 1984 are preliminary, except for oil and gas.
b/ Includes casing head gas and dry gas.

Source: Alaska's Mineral Industry, Department of Commerce and Economic Development, Office of Mineral Development, and Department of Natural Resources, Division of Geological and Geophysical Surveys. Oil and gas data are from Department of Natural Resources, Division of Oil and Gas.

Table K.3

Value of Alaska Crude Oil, Gas and Mineral Production

Mineral	1979	1980	1981	1982	1983	1984 a/
			(dollars)			
Alaska Totals:	5,740,487,950	9,535,222,500	12,667,647,360	12,372,365,000	10,887,730,000	11,123,810,167
Oil and Gas b/						
Crude Petroleum c/	5,493,596,000	9,247,327,000	12,395,680,000	12,120,865,000	10,619,446,000	10,810,724,000
Natural Gas d/	91,533,000	135,303,000	83,340,000	55,347,000	55,885,000	113,669,000
Metals:						
Gold	18,000,000	32,000,000	55,200,000	69,960,000	67,600,000	63,000,000
Silver	92,950	111,000	111,360	198,000	332,000	159,000
Platinum	0	W	200,000	150,000	100,000	W
Antimony	150,000	NA	0	NR	25,000	225,792
Copper	W	W	NA	NA	NA	NA
Tin	830,000	984,000	700,000	1,365,000	1,100,000	400,000
Lead	W	W	W	NA	NA	NA
Mercury	NA	0	W	W	NR	1,500
Tungsten	76,000	37,500	56,000	NA	NA	NA
Industrial Minerals:						
Sand & Gravel	104,900,000	86,000,000	88,200,000	91,000,000	105,000,000	95,000,000
Building Stone	15,450,000	15,400,000	26,360,000	15,600,000	20,000,000	16,000,000
Barite	800,000	2,000,000	NA	NA	NA	NA
Jade & Soapstone e/	60,000	60,000	200,000	W	42,000	16,500
Other Minerals:						
Coal	15,000,000	16,000,000	17,600,000	18,000,000	18,000,000	23,775,000
Peat	W	W	W	150,000	200,000	859,375

Abbreviations: W - Withheld; NA - Not Available; NR - Not Reported.

a/ Data for 1984 are preliminary, except for oil and gas.
b/ Beginning in 1981, values are estimated from State Lands Royalty x 8 percent.
c/ Values for Prudhoe Bay oil are at Pump Station 1, where the oil enters the trans-Alaska pipeline. Consequently, pipeline transportation charges are not included.
d/ Natural gas values include values of both dry and liquid gas, including casing head gas.
e/ 1979 figure represents jade only.

Source: Alaska's Mineral Industry, Department of Commerce and Economic Development, Office of Mineral Development, and Department of Natural Resources, Division of Geological and Geophysical Surveys. Oil and gas data are from Department of Natural Resources, Division of Oil and Gas.

Table K.4

Oil and Gas Leasing Program,
of the State of Alaska and the
Federal Government on State Territories

	State of Alaska		Federal	
	Acres Leased	Bonus Received	Acres Leased	Bonus Received
TOTAL	7,425,164	1,733,001,598		
1959	77,191	4,020,342	-	-
1960	39,372	442,298	-	-
1961	296,662	22,415,800	-	-
1962	265,499	15,719,210	-	-
1963	388,580	7,178,906	-	-
1964	722,659	5,537,101	-	-
1965	704,751	10,819,816	-	-
1966	152,577	7,177,160	-	- a
1967	298,844	20,236,118	-	-
1968	225,233	4,051,443	-	-
1969	412,548	900,041,605	-	-
1970	-	-	-	-
1971	92,618	455,640	-	-
1972	356,217	2,882,522	-	-
1973	211,695	25,949,514	-	-
1974	127,119	1,040,910	-	-
1975	-	-	-	-
1976	-	-	-	-
1977	-	-	904,264	958,307,900
1978	-	-	-	-
1979	330,986	567,549,539	85,766	488,691,138
1980	196,268	12,387,470	199,261	109,751,073
1981	582,406	5,824,064	78,850	4,576,395
1982	930,731	61,268,800	662,860	2,055,632,336
1983	655,343	24,175,279	1,804,804	1,260,649,533
1984	357,863 a/	33,827,377 a/	1,207,714	866,860,327

a/ Through May 22, 1984

Source: Alaska's Energy Plan, 1985, Department of Commerce and Economic Development. Telephone conversation with U.S. Department of Interior.

Table K.5

Exploration Expenditures by Mineral Commodity Group

Year	Base Metals	Precious Metals	Industrial Materials	Coal & Peat	Misc. a/	Unspecified	TOTAL
			(Thousands of Dollars)				
1974 b/	NA	NA	NA	NA	NA	NA	6,000
1975 b/	NA	NA	NA	NA	NA	NA	15,000
1976 b/	NA	NA	NA	NA	NA	NA	35,000
1977 b/	NA	NA	NA	NA	NA	NA	40,600
1978 b/	NA	NA	NA	NA	NA	NA	60,000
1979	10,278	4,612	150	200	250	61,000	76,490
1980	6,775	5,087	1,250	125	NR	52,000	65,237
1981	28,262	35,273	10,300	2,341	127	NR	76,303
1982	31,758	10,944	NR	2,900	15	NR	45,617
1983	9,759	20,898	2,068	1,338	10	60	34,133
1984	6,000	13,669	270	2,065	279	NR	22,284

NR = Not Reported

a/ Uranium, Gemstones, etc.
b/ Individual Breakdown of Exploration Expenditures, Unavailable prior to 1979.

Source: State of Alaska, Department of Natural Resources, DGGS.
Biennial Report of the State Department of Geological Survey,
Alaska Department of Natural Resources., 1974-1979

Table K.6

Selected Mineral Prices,
Annual Average: 1973-1983

Year	Beryllium	Copper	Gold	Lead	Platinum	Silver	Zinc
			(dollars per pound)				
1973	49.00	0.60	1,173.72	0.16	1,800.00	30.72	0.21
1974	49.00	0.77	1,916.88	0.23	2,172.00	56.52	0.36
1975	59.50	0.64	1,937.88	0.22	1,968.00	53.04	0.39
1976	59.50	0.70	1,503.84	0.23	1,944.00	52.20	0.37
1977	96.00	0.67	1,779.72	0.31	1,956.00	55.44	0.34
1978	103.00	0.67	2,322.60	0.34	2,844.00	64.80	0.31
1979	103.00	0.93	3,690.00	0.53	4,224.00	136.80	0.37
1980	120.00	1.02	7,350.72	0.42	5,268.00	247.56	0.37
1981	148.00	0.85	5,515.68	0.37	5,700.00	126.24	0.45
1982	166.00	0.74	4,510.92	0.26	5,700.00	95.40	0.38
1983	178.00	NA	NA	NA	5,700.00	NA	NA

Source: Mineral Commodity Profiles, U.S. Department of the Interior, Bureau of Mines.

Table K.7

Alaska Electricity Generation Capacity and Net Generation: Regional Summary 1978-1983

Region Sector	Capacity (KW)						Net Generation (MWH)					
	1978	1979	1980	1981	1982	1983	1978	1979	1980	1981	1982	1983
Alaska	783,574	1,902,031	1,957,489	2,081,320	2,117,633	2,191,936	4,759,585	4,861,189	5,110,068	5,260,595	5,742,860	6,006,272
Utility	137,048	1,253,394	1,278,012	1,381,909	1,415,594	1,447,752	2,960,038	3,085,512	3,165,535	3,280,818	3,714,279	3,860,254
Nat. Def.	205,441	205,691	205,691	206,001	200,959	196,411	526,811	497,662	503,111	493,827	500,557	532,654
Industrial	401,135	402,996	433,836	448,610	461,780	545,273	1,190,836	1,196,115	1,359,522	1,404,050	1,454,524	1,607,864
Misc.	39,950	39,950	39,950	44,800	39,300	2,500	81,900	81,900	81,900	81,900	73,500	5,500
Southeast	217,460	224,665	239,842	245,222	264,064	292,037	629,040	649,993	675,975	702,177	785,444	806,879
Utility	150,335	157,540	175,567	174,097	192,302	215,747	326,083	346,457	365,355	394,557	474,939	507,759
Industrial	67,125	67,125	64,275	71,125	71,762	76,290	302,957	303,536	310,620	307,620	310,505	299,120
Southcentral	812,294	919,653	923,048	1,012,391	1,024,426	1,032,172	2,598,234	2,704,078	2,781,438	2,822,105	3,079,887	3,185,304
Utility	642,883	750,332	750,037	836,255	848,255	848,255	2,052,305	2,166,505	2,234,790	2,305,825	2,577,871	2,655,641
Nat. Def.	55,726	55,726	55,726	58,726	56,726	56,726	164,574	156,218	155,946	153,510	161,315	169,071
Industrial	113,685	113,595	117,285	117,410	119,445	127,191	381,355	381,355	390,702	362,770	340,701	360,592
Yukon	401,682	398,322	407,232	418,182	417,605	444,732	753,033	730,662	717,302	716,655	787,488	877,484
Utility	293,532	290,222	296,782	300,722	301,397	304,152	486,613	470,255	450,653	449,228	505,703	521,050
Nat. Def.	86,625	86,625	86,625	84,035	82,035	82,035	217,967	207,254	207,031	207,531	211,593	238,112
Industrial	21,525	21,475	23,825	33,425	34,173	58,545	48,453	53,153	59,618	59,896	70,192	118,322
Arctic-Northwest	231,486	235,250	262,900	271,794	281,684	331,291	525,242	527,954	676,898	763,684	833,514	940,385
Utility	25,746	27,509	27,509	38,204	38,344	41,104	47,701	51,628	60,061	71,665	86,813	99,059
Nat. Def.	6,940	6,940	6,940	6,940	6,940	6,940	19,470	18,255	18,255	18,255	13,575	11,496
Industrial	198,800	200,801	228,451	226,650	236,400	283,247	458,071	458,071	598,582	673,764	733,126	829,830
Southwest	80,702	84,191	84,517	88,931	90,554	89,204	172,136	166,602	176,555	174,074	183,027	190,720
Utility	24,552	27,791	28,117	32,631	35,296	38,494	47,336	50,667	54,676	59,543	68,953	76,745
Nat. Def.	56,150	56,400	56,400	56,300	55,258	50,710	124,800	115,935	121,879	114,531	114,074	113,975

Source: Alaska Electric Power Statistics, U.S. Department of Energy, Alaska Power Administration.

Table K.8

Regional Net Power Generation by Type of Fuel: 1983

Region	Net Generation by Type of Fuel (GWH)						Percent Distribution of Fuel Use in Power Generation (percent)					
	Oil	Gas	Coal	Hydro	Wood/Oil	Total	Oil	Gas	Coal	Hydro	Wood/Oil	Total
Total Alaska	935.9	3,612.7	577.2	592.2	288.3	6,006.3	15.6	60.2	9.6	9.9	4.8	100.0
Southeast	123.6	0.0	0.0	394.9	288.3	806.9	15.3	0.0	0.0	48.9	35.7	100.0
Southcentral	188.3	2,799.8	0.0	197.3	0.0	3,185.3	5.9	87.9	0.0	6.2	0.0	100.0
Yukon	300.3	0.0	577.2	0.0	0.0	877.5	34.2	0.0	65.8	0.0	0.0	100.0
Arctic Northwest	127.5	812.9	0.0	0.0	0.0	940.4	13.6	86.4	0.0	0.0	0.0	100.0
Southwest	190.7	0.0	0.0	0.0	0.0	190.7	100.0	0.0	0.0	0.0	0.0	100.0
Misc.	5.5	0.0	0.0	0.0	0.0	5.5	100.0	0.0	0.0	0.0	0.0	100.0
Utilities	543.0	2,390.8	334.3	592.2	0.0	3,860.3	14.1	61.9	8.7	15.3	0.0	100.0
Southeast	112.8	0.0	0.0	394.9	0.0	507.8	22.2	0.0	0.0	77.8	0.0	100.0
Southcentral	96.1	2,362.3	0.0	197.3	0.0	2,655.6	3.6	89.0	0.0	7.4	0.0	100.0
Yukon	186.8	0.0	334.3	0.0	0.0	521.1	35.8	0.0	64.2	0.0	0.0	100.0
Arctic Northwest	70.6	28.5	0.0	0.0	0.0	99.1	71.2	28.8	0.0	0.0	0.0	100.0
Southwest	76.7	0.0	0.0	0.0	0.0	76.7	100.0	0.0	0.0	0.0	0.0	100.0
Industrial	220.0	1,069.5	30.0	0.0	288.3	1,607.8	13.7	66.5	1.9	0.0	17.9	100.0
Southeast	10.8	0.0	0.0	0.0	288.3	299.1	3.6	0.0	0.0	0.0	96.4	100.0
Southcentral	73.5	287.1	0.0	0.0	0.0	360.6	20.4	79.6	0.0	0.0	0.0	100.0
Yukon	88.3	0.0	30.0	0.0	0.0	118.3	74.6	0.0	25.4	0.0	0.0	100.0
Arctic Northwest	47.4	782.4	0.0	0.0	0.0	829.8	5.7	94.3	0.0	0.0	0.0	100.0
National Defense	167.4	152.4	212.9	0.0	0.0	532.7	31.4	28.6	40.0	0.0	0.0	100.0
Southcentral	18.7	150.4	0.0	0.0	0.0	169.1	11.1	88.9	0.0	0.0	0.0	100.0
Yukon	25.2	0.0	212.9	0.0	0.0	238.1	10.6	0.0	89.4	0.0	0.0	100.0
Arctic Northwest	9.5	2.0	0.0	0.0	0.0	11.5	82.6	17.4	0.0	0.0	0.0	100.0
Southwest	114.0	0.0	0.0	0.0	0.0	114.0	100.0	0.0	0.0	0.0	0.0	100.0

Note: GWH - Gigawatt hour.

Source: Alaska Electric Power Statistics, U.S. Department of Energy, Alaska Power Administration.

Table K.9

Average Annual Energy Use Billing Charges in Alaska by Region

	Residential				Commercial & Industrial				Aggregate			
	1980	1981	1982	1983	1980	1981	1982	1983	1980	1981	1982	1983
	(cents per kilowatt hour)											
Alaska Average	5.1	5.9	6.9	8.0	5.0	6.0	6.6	7.2	5.2	6.2	6.8	7.8
Southeast	6.6	7.1	7.8	8.2	7.0	8.2	8.7	9.1	6.8	7.5	8.1	8.4
Southcentral	4.0	4.5	5.6	7.0	3.7	4.6	4.9	6.0	3.8	4.6	5.3	6.5
Yukon	8.3	10.4	10.5	10.2	7.5	8.9	9.4	9.1	7.6	9.3	9.9	9.5
Arctic Northwest	29.2	31.6	33.1	34.0	20.5	17.4	25.5	27.5	25.7	27.2	27.6	32.5
Southwest	17.2	21.7	21.6	26.2	15.1	18.6	20.1	23.8	15.7	19.4	20.6	24.7

Source: Alaska Electric Power Statistics, U.S. Department of Energy, Alaska Power Administration.

Table K.10

Utility Energy Sales and Revenues in Alaska by Region

	Residential				Commercial & Industrial				Total			
	Sales		Revenues		Sales		Revenues		Sales		Revenues	
	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
	(GWH)		(000 dollars)		(GWH)		(000 dollars)		(GWH)		(000 dollars)	
Alaska Total	1,460	1,517	100,168	121,690	1,695	1,751	112,053	126,179	3,244	3,404	220,120	263,916
Southeast	189	206	14,679	16,845	145	156	12,533	14,181	387	427	31,451	36,071
Southcentral	1,066	1,093	59,294	76,258	1,222	1,314	60,110	78,813	2,316	2,430	121,969	157,909
Yukon	179	186	18,706	19,036	265	247	24,903	22,450	448	460	44,189	43,782
Arctic Northwest	15	20	4,969	6,831	35	28	9,026	7,631	52	62	14,290	20,070
Southwest	12	10	2,521	2,720	27	13	5,480	3,104	40	25	8,222	6,084

Note: Sales is expressed in gigawatt hours and revenues in thousands of dollars.

Source: Alaska Electric Power Statistics, U.S. Department of Energy, Alaska Power Administration.

Table K.11

Petroleum, Natural Gas, Coal and Electricity Use in Alaska
by Consumption Sector

Consumption Sector	Petroleum a/			Natural Gas			Coal			Electricity b/		
	1980	1981	1982	1980	1981	1982	1980	1981	1982	1980	1981	1982
	(thousands of barrels)			(billions of cubic feet)			(thousands of short tons)			(GWH)		
All Sectors	22,831	24,440	27,375	153	122	238	273	321	336	1948	2017	2396
Residential	1,231	951	1,193	8	8	11	0	0	0	1,092	1,228	1,408
Commercial	849	789	869	17	16	24	0	0	0	725	686	767
Industrial c/	3,802	3,811	6,014	100	68	172	0	0	0	128	97	216
Elec. Generation	891	776	884	29	29	31	273	321	336	-	-	-
Transportation	16,058	18,113	18,415	-	-	-	0	0	0	3	5	5

Note: Sectors do not sum because of use of fuels for production of electricity.

a/ One barrel is 42 gallons.
b/ For 1983 electricity consumption see Tables K.10.
c/ Includes petroleum use by military.

Source: State Energy Data Report, Consumption Estimates 1960-1982, U.S. Department of Energy.

Table K.12

Consumption of Refined Petroleum Products in Alaska

Refinery Product	Alaska Consumption		
	1980	1981	1982
	(Thousands of Barrels)		
Total	22,831	24,440	27,376
Motor Gasoline	3,676	4,468	5,089
Aviation Gasoline	431	445	372
Jet Fuel	9,618	10,876	11,531
Diesel	6,677	6,546	6,312
Other	2,429	2,105	4,072

Source: State Energy Data Report, Consumption Estimates 1960-1982, U.S. Department of Energy.

Table K.13

Alaska Consumption of Energy by Sector and Fuel Type: 1974-82

	1974	1975	1976	1977	1978	1979	1980	1981	1982
				(trillions of Btu's)					
All Sectors Combined	199.3	232.4	257.8	296.1	326.8	297.2	297.1	275.2	411.3
Coal	12.5	15.3	13.7	10.3	4.7	4.6	4.7	5.6	5.9
Natural Gas	64.3	86.6	91.9	118.7	147.8	160.5	157.3	125.1	244.3
Petroleum	119.0	126.9	148.2	161.8	169.5	127.4	129.4	138.4	155.2
Electricity	3.5	3.7	4.0	5.3	4.9	4.7	5.6	6.2	5.9
Residential	28.4	35.2	39.1	42.1	45.7	36.5	34.4	33.1	38.8
Coal	.1	.1	.1	.1	0.0	0.0	0.0	0.0	0.0
Natural Gas	4.3	10.6	11.1	11.5	12.4	7.4	8.1	8.1	10.8
Petroleum	10.8	10.2	12.2	13.6	16.1	10.1	7.0	5.4	6.8
Electricity	13.2	14.2	15.7	17.0	17.2	18.9	19.3	19.5	21.2
Commercial	36.1	33.9	34.7	38.1	38.4	36.9	34.5	31.9	41.2
Coal	.2	.2	.2	.2	0.0	0.0	0.0	0.0	0.0
Natural Gas	13.4	14.7	14.5	14.8	15.5	16.1	16.9	16.6	24.9
Petroleum	9.6	8.7	8.1	10.2	9.8	3.5	4.8	4.4	4.8
Electricity	12.9	10.4	12.0	12.9	13.2	17.3	12.8	10.9	11.5
Industrial	57.5	83.0	94.3	122.1	145.1	138.0	138.7	109.2	228.9
Coal	7.6	10.5	9.1	5.6	0.0	0.0	0.0	0.0	0.0
Natural Gas	29.1	41.0	43.5	67.9	94.5	106.8	102.4	70.1	176.3
Petroleum	18.7	23.7	33.7	39.2	40.9	23.6	22.9	23.2	36.3
Electricity	2.2	7.7	8.1	9.3	9.6	7.7	13.3	15.9	16.3
Transportation	77.3	80.4	89.6	93.8	97.6	85.8	89.5	101.0	102.3
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Natural Gas	.1	.1	.2	.3	.2	.9	.1	.3	.3
Petroleum	77.1	80.2	89.4	93.5	97.4	84.8	89.3	100.7	102.0
Electricity	.1	.1	.1	.1	0.0	.1	.1	.1	.1

Source: State Energy Data Report, Consumption Estimates 1960-1982, U.S. Department of Energy.

L. INTERNATIONAL TRADE

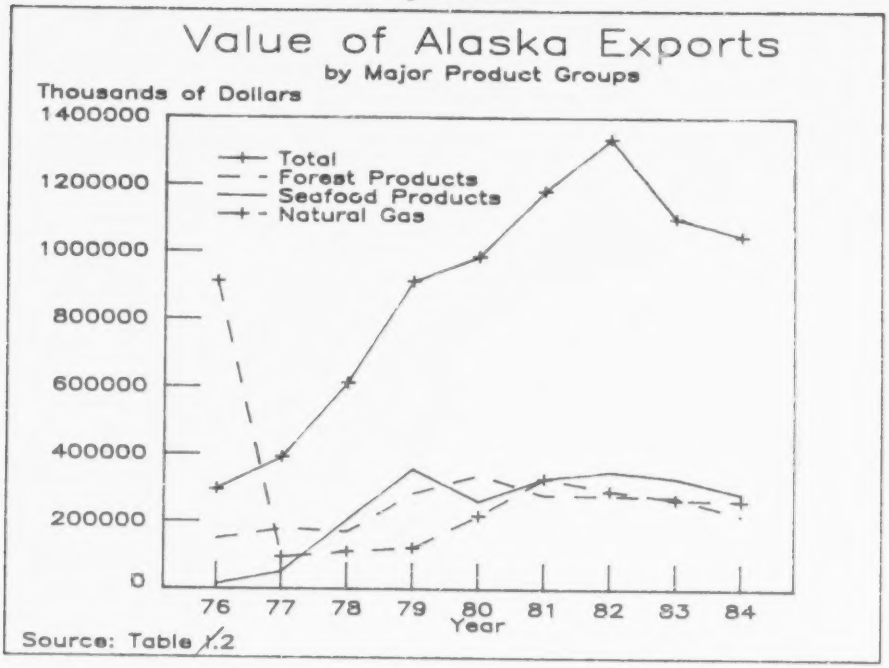
FIGURES

Figure L.1 Value of Alaska Exports by Major Product Group
Figure L.2 1984 Value of Alaska Exports
Figure L.3 1984 Alaska Exports by Major Trading Partner
Figure L.4 1984 Alaska Imports by Major Trading Partner
Figure L.5 Exchange Rates: Yens, Pounds, Canadian Dollars, Marks and Francs per U.S. Dollar

TABLES

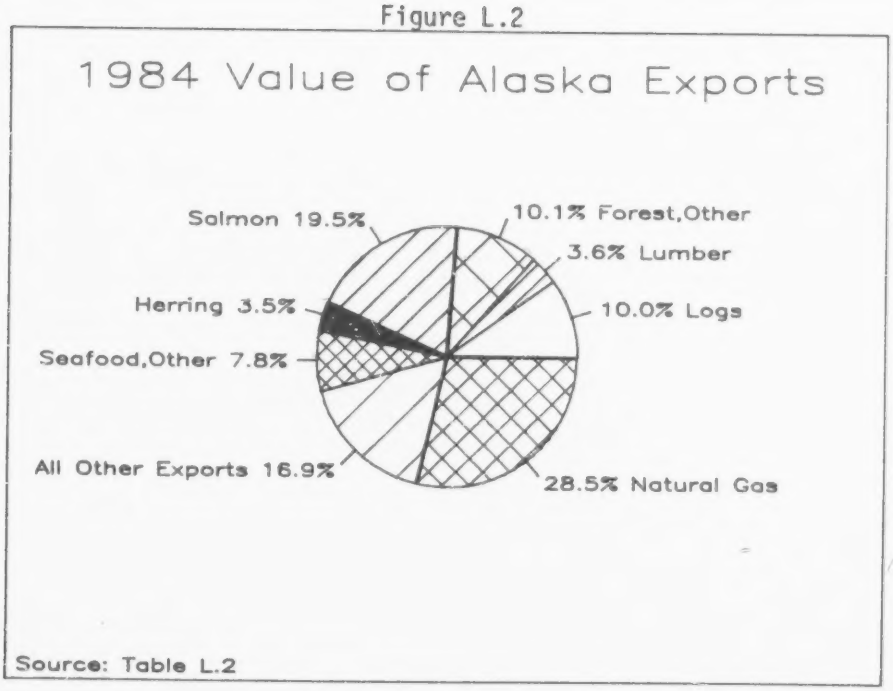
Table L.1 Volume of Alaska Exports by Major Product Group
Table L.2 Value and Average Unit Price of Alaska Exports by Major Product Group
Table L.3 Alaska Imports and Exports by Major Trading Partner
Table L.4 Exchange Rates

Figure L.1



L.2

Figure L.2



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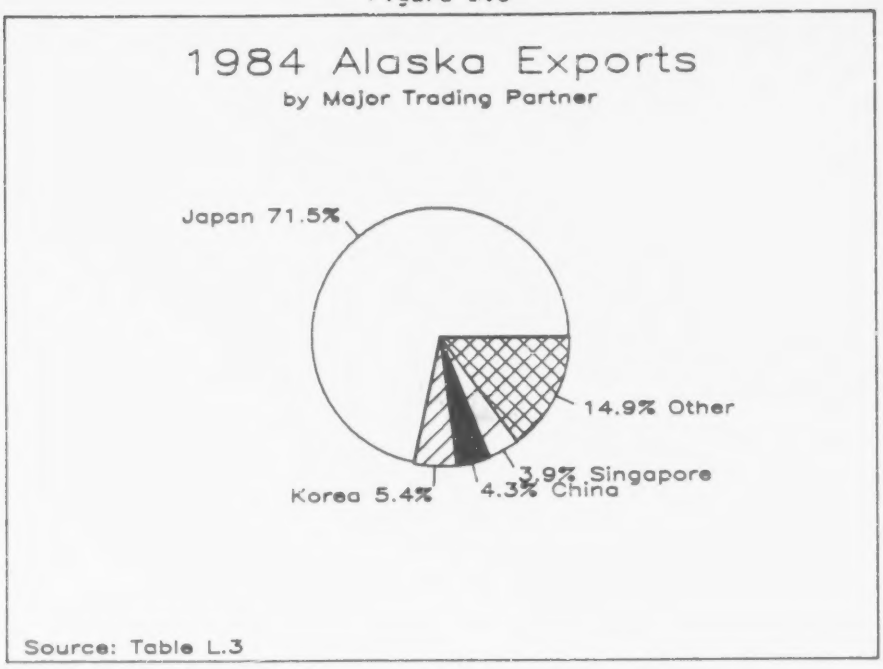


Figure L.4

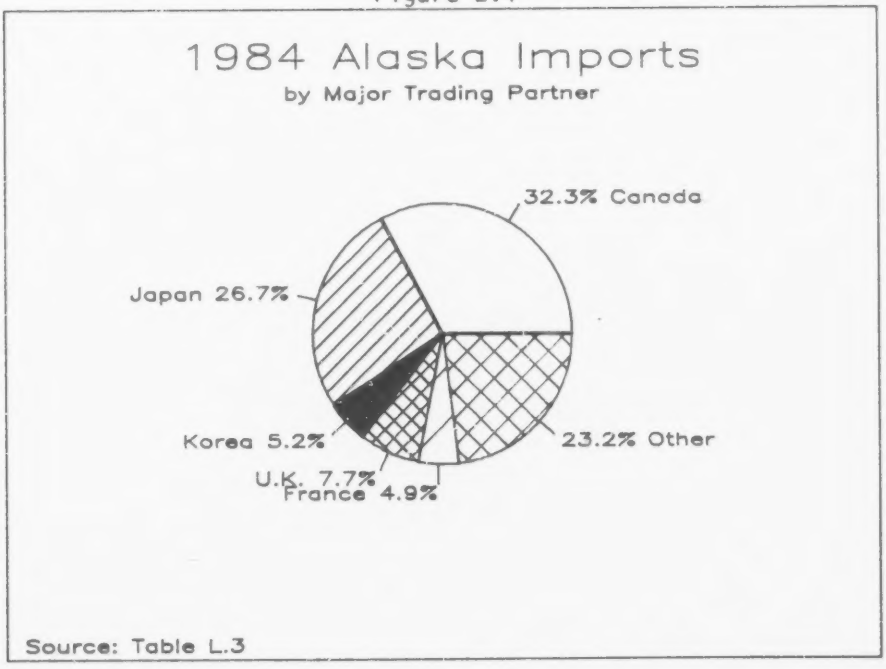
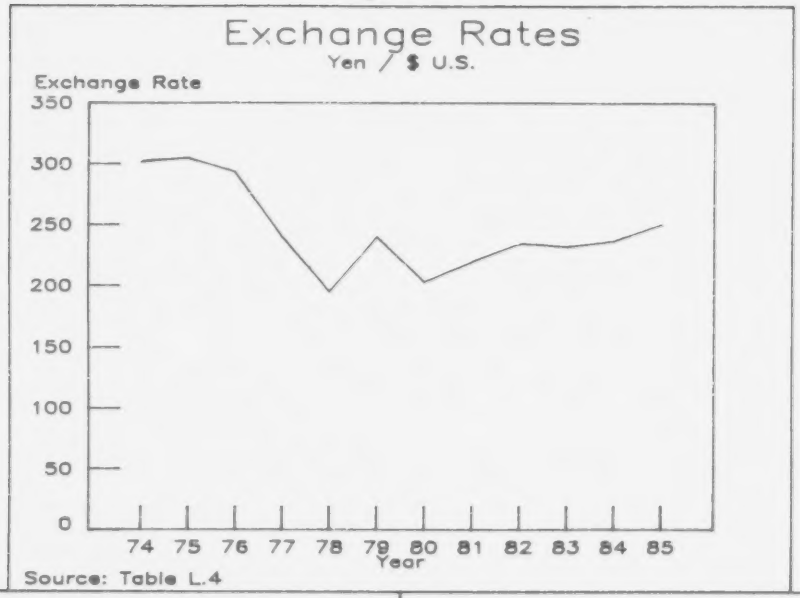


Figure L.5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Yen / $ U.S.
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250
200
150
100
50
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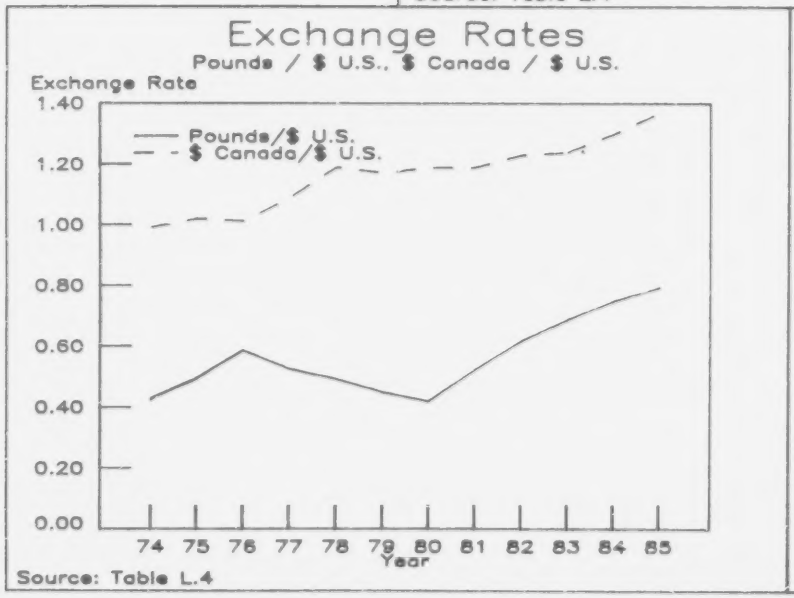
Year
Source: Table L.4


Exchange Rates
Pounds / $ U.S., $ Canada / $ U.S.
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0.00
Pounds/$ U.S.
$ Canada/$ U.S.
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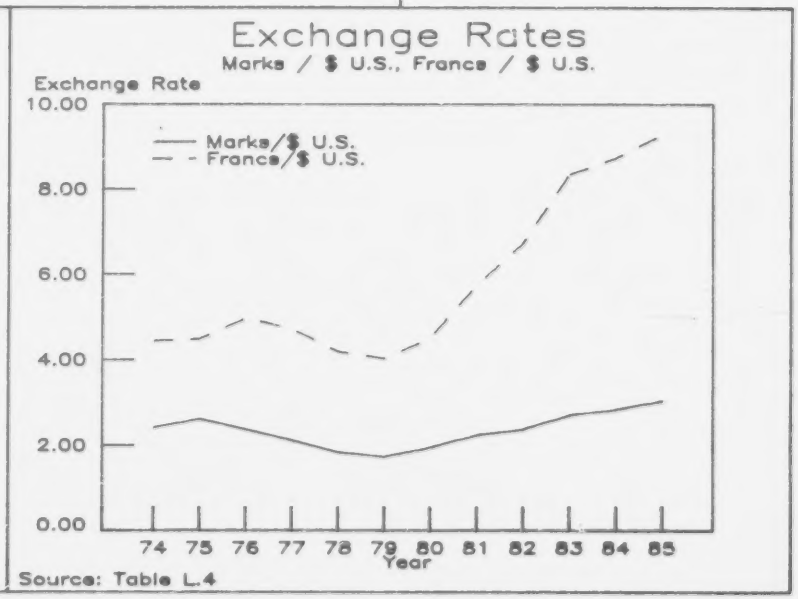
Year
Source: Table L.4


Exchange Rates
Marks / $ U.S., France / $ U.S.
Exchange Rate
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8.00
6.00
4.00
2.00
0.00
Marks/$ U.S.
France/$ U.S.
74 75 76 77 78 79 80 81 82 83 84 85
Year
Source: Table L.4

Table L.1

Volume of Alaska Exports by Major Product Group

Product Group	Quantity Units a/	1979	1980	1981	1982	1983	1984
FOREST PRODUCTS							
Logs	MBF	128,705	160,709	149,187	241,123	262,219	232,467
Hemlock	"	43,042	54,412	60,094	124,061	131,238	121,872
Cedar	"	6,789	16,304	9,610	22,817	23,402	15,547
Spruce	"	70,950	78,600	69,631	83,911	101,902	87,400
Other	"	7,924	11,393	9,852	10,334	5,677	7,648
Rough Lumber	MBF	280,374	256,751	197,093	171,966	136,582	120,601
Hemlock	"	172,005	158,661	104,974	75,500	70,791	70,782
Spruce	"	103,844	96,607	91,007	94,805	64,193	41,476
Other	"	4,525	1,483	1,812	1,661	1,598	8,343
Pulp	STN	264,948	312,002	286,226	209,924	242,626	208,162
SEAFOOD	(,000) LBS	160,706	156,366	193,820	248,544	261,847	235,377
Salmon	" "	59,946	48,400	88,765	135,729	142,231	130,084
King Crab	" "	29,513	22,856	8,493	1,331	36	485
Fish Roe	" "	12,771	15,824	15,721	12,106	13,319	21,576
Snow Crab	" "	33,385	28,773	27,034	15,201	6,492	7,088
Other		25,089	40,513	53,807	84,177	99,769	76,145
NATURAL GAS	MMCF	55,589	45,822	56,868	52,522	54,124	55,615
UREA	(,000) STN	649	624	673	837	799	732
AMMONIA	" "	16	20	n/a	138	254	177

a/ MBF - Thousand board feet. STN - Short tons. (,000) LBS - Thousands of pounds. (,000) STN - Thousands of short tons. MMCF - millions of cubic feet.

Source: U.S. Department of Commerce, Bureau of the Census, Foreign Trade Division. Alaska Statistical Review, 1982, p. 44.

Table L.2

Value and Average Unit Price of Alaska Exports by Major Product Group

Product Group	Value						Unit Price					
	1979	1980	1981	1982	1983	1984	1979	1980	1981	1982	1983	1984
	(thousands of dollars)						(dollars per unit) a/					
FOREST PRODUCTS	284,159	339,474	278,278	277,593	272,954	219,034	NA	NA	NA	NA	NA	NA
Logs	60,633	85,534	71,690	115,376	111,587	92,149	471	532	481	478	426	396
Hemlock	15,304	22,216	22,966	52,677	47,077	39,005	356	408	382	425	359	320
Cedar	4,904	6,571	2,877	8,734	8,833	6,447	722	403	299	383	377	415
Spruce	32,568	43,486	40,306	48,479	52,127	43,350	459	553	579	578	512	496
Other	7,857	13,261	5,541	5,486	3,550	3,347	992	1,164	562	531	625	438
Rough Lumber	104,328	88,927	60,364	58,558	45,074	33,500	372	346	306	341	330	278
Hemlock	53,628	42,839	23,345	21,611	18,139	13,792	312	270	222	286	256	195
Spruce	49,269	45,726	36,566	36,199	26,589	17,496	474	473	402	382	414	422
Other	1,431	362	453	748	346	2,211	316	244	407	450	216	265
Pulp	115,128	153,247	140,494	98,470	116,013	92,611	435	491	491	469	478	445
Other	4,070	11,766	5,730	5,189	280	774						
SEAFOOD	357,038	259,383	329,984	350,909	329,792	283,426	2.22	1.66	1.70	1.41	1.26	1.20
Salmon	119,122	59,024	148,123	197,780	207,061	179,896	1.99	1.22	1.67	1.46	1.46	1.38
King Crab	70,948	55,485	28,398	6,009	101	2,693	2.40	2.43	3.34	4.51	2.82	5.55
Fish Roe	78,124	72,109	70,171	52,251	45,081	45,745	6.12	4.56	4.46	4.32	3.38	2.12
Snow Crab	53,384	40,629	44,379	41,810	15,292	11,853	1.60	1.41	1.64	2.75	2.36	1.67
Other	35,460	32,136	38,913	53,059	62,257	43,238	1.41	.79	.72	1.05	.66	.57
NATURAL GAS	122,536	218,044	328,455	291,898	266,835	262,329	2	5	6	6	5	5
UREA	73,719	95,538	114,986	112,289	83,709	99,603	114	153	171	134	105	136
AMMONIA	914	2,649	0	19,371	31,462	29,925	56	133	NA	140	124	169
OTHER	74,681	72,431	130,894	286,337	115,873	153,256	NA	NA	NA	NA	NA	NA
TOTAL EXPORTS	913,047	987,519	1,182,597	1,338,397	1,100,625	1,047,574	NA	NA	NA	NA	NA	NA

a/ Unit price is dollars per million board feet for forest products, dollar per pound for seefood products, dollars per million cubic feet for natural gas and dollar per short ton for ammonia and urea.

Source: U.S. Department of Commerce, Bureau of the Census, Foreign Trade Division.

Table L.3

Alaska Imports and Exports by Major Trading Partner

Country	1982	1983	1984	1984 % Trade Share of Country
		(thousands of dollars)		
Alaska Imports	330,955	413,387	311,076	100.00
Bahamas	-	-	13,654	4.4
Canada	108,930	88,889	100,349	32.3
China	36	4	10,407	3.3
France	10,463	8,380	15,382	4.9
Germany	11,030	1,697	5,351	1.7
Indonesia	12,798	-	21,362	6.9
Japan	158,944	47,314	82,913	26.7
Korea	592	219,623	16,270	5.2
United Kingdom	6,036	4,154	24,028	7.7
Venezuela	-	-	8,254	2.7
All Other Countries	22,126	43,326	13,106	4.2
Alaska Exports	1,338,397	1,100,625	1,047,574	100.00
Canada	6,771	16,000	18,988	1.8
China	66,347	47,719	44,943	4.3
Hong Kong	941	560	8,961	.9
Indonesia	23,907	5,681	19,755	1.9
Japan	1,012,810	832,733	748,999	71.5
Korea	96,009	65,336	56,146	5.4
Philippines	12,556	9,573	24,985	2.4
Singapore	3,287	38,501	41,310	3.9
Taiwan	4,439	26,112	12,385	1.2
Peru	-	2,327	9,849	.9
All Other Countries	111,330	56,083	61,253	5.8

Source: U.S. Dept. of Commerce, Bureau of the Census, Foreign Trade Division.

Table L.4

Exchange Rates

Year	England (Pounds/$U.S.)	Japan (Yen/$U.S.)	Germany (Marks/$U.S.)	Canada ($Can/$U.S.)	France (Francs/$U.S.)
			(annual average)		
1974	.426	301	2.41	.99	4.44
1975	.494	305	2.62	1.02	4.49
1976	.587	293	2.36	1.01	4.97
1977	.525	240	2.11	1.09	4.71
1978	.492	195	1.83	1.19	4.18
1979	.450	240	1.73	1.17	4.02
1980	.419	203	1.96	1.19	4.52
1981	.524	220	2.25	1.19	5.75
1982	.619	235	2.38	1.23	6.73
1983	.689	232	2.72	1.24	8.35
1984 a/	.750	237	2.84	1.30	8.74
1985 b/	.795	251	3.05	1.37	9.30

a/ Preliminary, estimated using simple average.
b/ Wall Street Journal, 4/15/85

Source: International Monetary Fund, International Financial Statistics Monthly

M. TOURISM AND TRANSPORTATION

FIGURES

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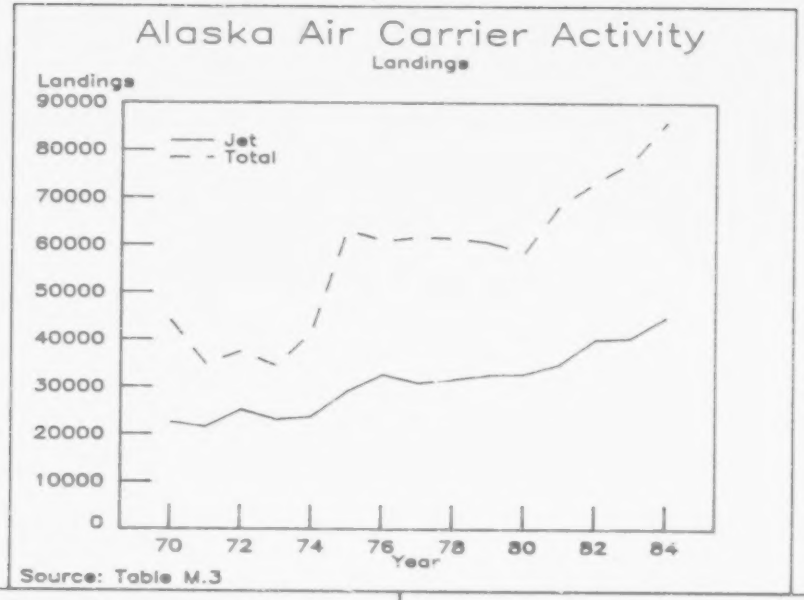
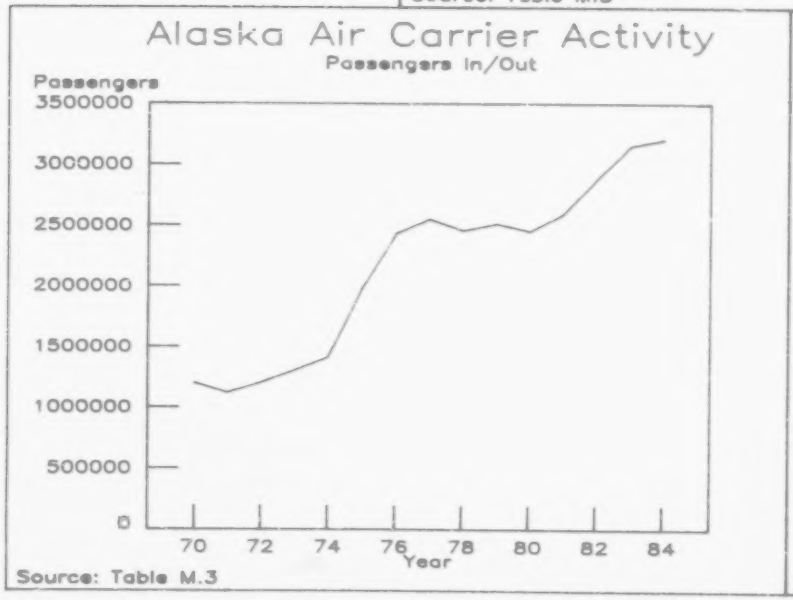
Figure M.1


Alaska Air Carrier Activity
Landings
Landings
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
Jet
Total
70
72
74
76
78
80
82
84
Year
Source: Table M.3


Alaska Air Carrier Activity
Passengers In/Out
Passengers
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
70
72
74
76
78
80
82
84
Year
Source: Table M.3

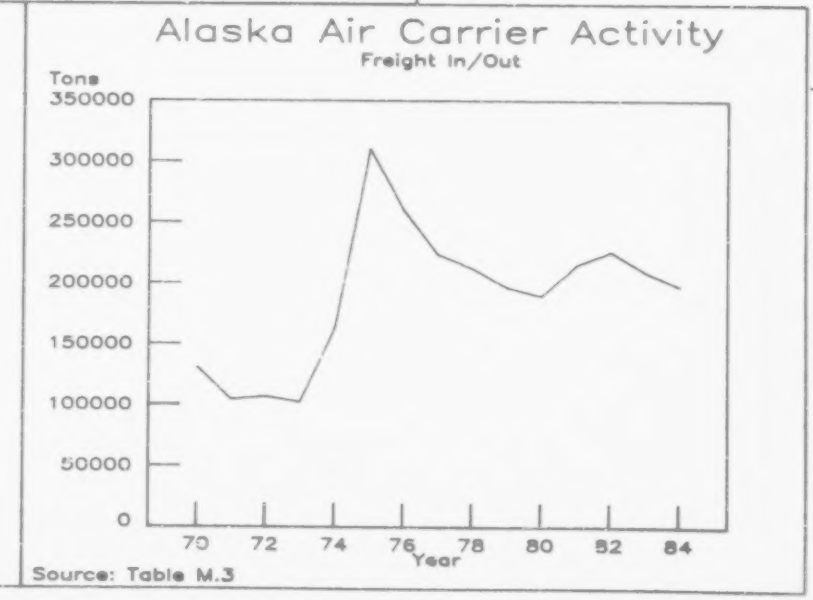
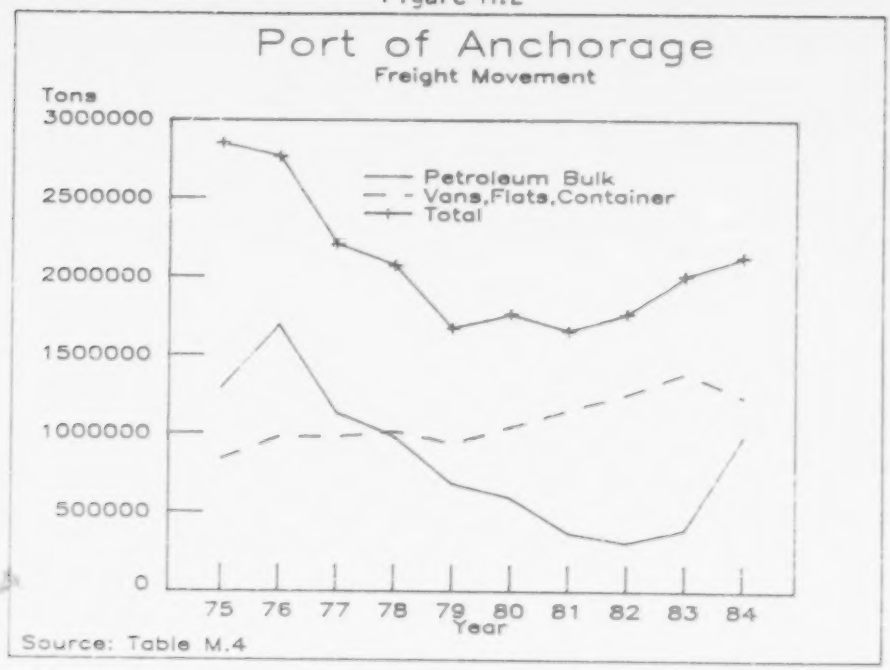

Alaska Air Carrier Activity
Freight In/Out
Tons
350000
300000
250000
200000
150000
100000
50000
0
70
72
74
76
78
80
82
84
Year
Source: Table M.3

Figure M.2



Source: Table M.4

Table M.1

Nonresident Tourism Statistics of Alaska

Year	Visitor Volume (number)	In-State Sales to Nonresident Tourists (millions of dollars)	Primary Industry Employment (number)	DOT Contractual Sevices Budget (000 dollars) a/
1976	-	-	-	699.0
1977	505,200	234.1	6,700	679.0
1978	522,500	270.3	6,970	693.6
1979 b/	546,000	321.1	7,280	900.5
1980	570,600	360.4	7,925	1,268.2
1981	596,300	416.2	8,280	2,461.6
1982	623,100	480.7	8,900	6,020.6
1983 b/	646,000	551.7	9,160	6,564.4
1984	691,200	620.0	9,875	5,216.7
1985	739,600	696 7	10,565	6,917.5

a/ Division of Tourism (DOT) is the State's advocacy division for tourism. A large amount of their contractual services budget goes to tourism promotion of Alaska.

b/ In 1979 and 1983 there were actual surveys of nonresidential tourists visiting Alaska. The other year statistics are estimates based on the results of those years and other information.

Source: Department of Commerce and Economic Development, Division of Tourism.

Table M.2

Highway and Marine Highway Mileage in Alaska

	1984			1983			1982			1981		
	Paved	Unpaved	Total	Paved	Unpaved	Total	Paved	Unpaved	Total	Paved	Unpaved	Total
Miles of Highway:												
Federal Aid:	2,304	1,818	4,122	2,293	1,846	4,139	2,190	1,956	4,146	2,104	2,009	4,113
Interstate	1,091	-	1,091	1,091	-	1,091	-	-	-	-	-	-
Primary	498	541	1,039	500	539	1,039	1,507	623	2,130	1,491	644	2,135
Secondary	616	1,268	1,884	594	1,307	1,901	568	1,333	1,901	504	1,301	1,805
Urban	99	9	108	108	-	108	115	-	115	109	64	173
State Maintenance & Local Service	213	1,142	1,355	213	1,143	1,356	194	1,137	1,331	154	1,156	1,310
Borough Roads	-	-	2,321	-	-	1,995	-	-	974	-	-	974
Local City Streets	-	-	979	-	-	913	-	-	814	-	-	814
National Park, Forest & Reservation Roads	-	-	2,223	-	-	2,223	-	-	2,004	-	-	1,884
Other Roads a/	-	-	2,880	-	-	2,880	-	-	2,618	-	-	2,618
Miles of Ferry Service:												
State Maintenance System	-	-	-	-	-	-	-	-	-	-	-	150
Federal Aid, Primary	-	-	788	-	-	773	-	-	773	-	-	773
Federal Aid, Secondary	-	-	647	-	-	643	-	-	643	-	-	648

a/ Includes military roads.

Source: Annual Financial Report, Department of Administration 1984, 1983, and 1982.

Table M.3

Total Air Carrier Activity of the
State of Alaska International Airports

Fiscal Year	Landings		Passengers			Freight a/	
	Jets	Total	In	Out	Through	In	Out
1970	22,531	44,075	595,826	605,968	856,919	32,069	98,907
1971	21,441	34,832	548,111	569,838	857,048	30,312	73,867
1972	25,271	37,539	598,160	608,182	718,261	36,563	70,488
1973	23,053	34,390	618,676	630,697	677,740	32,979	68,880
1974	23,791	41,495	699,540	715,950	840,203	52,009	111,235
1975	29,079	63,163	970,805	1,005,862	911,369	66,335	244,355
1976	32,666	60,889	1,207,816	1,227,191	882,905	76,318	183,421
1977	30,824	61,682	1,264,974	1,290,219	938,064	70,875	152,708
1978	31,700	61,407	1,211,933	1,244,041	981,165	69,617	142,277
1979	32,663	60,549	1,255,447	1,261,434	1,166,795	69,652	126,739
1980	32,786	58,431	1,214,167	1,235,617	1,268,100	59,792	129,358
1981	34,883	68,492	1,289,715	1,308,022	1,457,529	75,426	139,571
1982	40,088	73,396	1,435,899	1,448,788	1,511,955	77,029	149,375
1983	40,420	77,640	1,581,443	1,574,204	1,473,360	77,554	131,675
1984	44,862	85,895	1,601,346	1,610,499	1,402,976	80,111	117,300

a/ Freight volume expressed in tons.

Source: Annual Financial Report, Department of Administration, 1984, 1983, and 1982.

Table M.4

Port of Anchorage Freight Movement by Commodity Group a/

Commodity	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Alaska Totals:	2,851,820	2,767,149	2,208,225	2,073,495	1,671,720	1,763,752	1,655,711	1,766,591	2,006,938	2,132,361
Freight N.O.S.	7,564	6,147	3,073	5,784	2,324	2,764	6,395	22,128	15,812	33,937
Cement, Drilling Mud, etc.	44,384	40,360	37,943	21,879	21,423	18,836	32,497	63,340	46,378	48,599
Iron & Steel Articles	8,823	7,421	13,680	14,184	5,751	10,633	25,373	30,292	59,578	53,940
Lumber	8,315	266	2,748	272	34	355	2,280	14,316	26,570	13,899
Oil Field & Equipment Supplies	-	-	-	0	0	-	-	-	-	-
Petroleum Bulk	1,290,065	1,695,000	1,130,986	977,600	678,008	589,580	365,997	304,914	394,577	984,139
Petroleum N.O.S.	2,084	1,395	851	604	1,427	3,022	2,166	3,929	3,831	5,399
Vans, Flats, Containers	838,676	978,610	978,584	1,013,427	934,125	1,043,005	1,154,060	1,253,190	1,390,396	1,238,497
Vehicles	21,518	36,667	40,360	39,746	28,626	29,414	39,829	37,626	42,460	15,803
Plastic Material, Insulation	391	1,273	0	0	0	-	-	-	-	-
Coal, Bulk b/	-	-	-	-	-	27,754	-	-	-	-
Transshipped Cargo c/	-	-	-	-	-	38,390	27,115	36,855	27,337	38,148

Notes: N.O.S. means not otherwise specified.
Totals subject to rounding error of plus or minus one ton.

a/ Freight movement is expressed in tons and includes inbound and outbound traffic to and from all ports, foreign and domestic.
b/ One time test shipment in 1980.
c/ New category beginning in 1980, mostly from vans, etc.

Source: Yearly Tonnage and Revenue Summary, Port of Anchorage.

Table M.5

1984 Alaska Ferry System Traffic by Location a/

Southeast Mainline			Southeast Feeder			Southwest		
Location	Passengers	Vehicles	Location	Passengers	Vehicles	Location	Passengers	Vehicles
Alaska Totals:	214,862	57,819		96,597	22,147		55,791	15,544
Prince Rupert	29,531	9,326	Prince Rupert	2,478	892	Cordova	5,446	1,436
Ketchikan	29,114	6,919	Ketchikan	22,111	6,390	Ellamar	67	0
Petersburg	11,742	2,715	Petersburg	3,975	938	Valdez	15,944	4,128
Sitka	7,357	1,796	Sitka	9,190	1,508	Whittier	10,745	2,275
Juneau	42,749	11,105	Juneau	17,206	3,102	Seward	4,764	1,511
Haines	39,138	12,693	Haines	3,311	862	Port Lions	482	197
Skagway	26,969	5,018	Skagway	1,027	227	Kodiak	5,935	2,379
Wrangell	8,105	2,079	Metlakatla	5,532	1,645	Homer	7,779	2,475
Seattle	20,157	6,168	Hoonah	5,416	982	Sand Point	220	31
			Hollis	15,134	4,168	Seldovia	3,687	932
			Kake	3,576	807	King Cove	160	19
			Angoon	5,175	541	Cold Bay	41	33
			Tenakee	1,617	0	Chignik	158	22
			Pelican	751	53	Dutch Harbor	243	37
			Other	98	32	Other	120	69

a/ Data are for embarking passengers and vehicles.

Source: Alaska Marine Highway Traffic Volumes by Port, Department of Transportation and Public Facilities, Division of Marine Highway Systems.

Table M.6

1975-1984 Alaska Ferry System Traffic

Year	Southeast Mainline		Southeast Feeder		Southwest		Totals	
	Passengers	Vehicles	Passengers	Vehicles	Passengers	Vehicles	Passengers	Vehicles
1975	184,500	45,900	-	-	45,000	12,800	229,500	58,007
1976	181,700	46,300	49,700	10,500	44,400	11,700	275,800	68,500
1977	148,500	40,000	49,300	9,900	38,800	12,500	236,600	62,400
1978	161,900	38,600	61,100	12,600	46,600	13,200	269,600	64,400
1979	169,400	42,900	75,000	15,500	48,900	13,800	293,300	72,200
1980	189,900	44,400	86,300	18,900	49,500	14,100	325,700	77,400
1981	181,500	44,100	100,900	22,400	55,800	15,100	338,200	81,600
1982	208,500	53,200	91,000	20,000	54,500	15,600	354,000	88,800
1983	206,100	52,600	101,600	22,800	55,500	15,900	363,200	91,300
1984	214,900	57,800	96,600	22,100	55,800	15,500	367,300	95,400

Source: Alaska Marine Highway Traffic Volumes by Port, Department of Transportation and Public Facilities, Division of Marine Highway Systems.

Table M.7

Vehicle Registrations in Alaska by Selected Locations and by Vehicle Types

	1974	1975	1976	1977	1978	1979 a/	1980 b/	1981 a/	1982 a/	1983 a/	1984 a/	% Change 1983-1984
Alaska Total:	259,578	273,703	295,373	329,672	318,217	302,100	292,921	341,637	407,870	423,452	518,644	18
Selected Locations:												
Anchorage	161,414	169,118	177,523	209,582	201,823	216,399	156,274	203,010	226,267	254,280	205,669	-24
Fairbanks	41,785	44,696	48,342	41,551	40,945	36,384	36,352	40,529	43,713	50,552	84,519	40
Palmer	6,365	7,251	9,163	10,635	10,760	13,270	11,143	12,722	15,213	19,768	38,425	49
Juneau	10,151	9,666	10,570	10,537	10,205	10,944	10,318	11,702	12,955	15,516	25,381	39
Eagle River	-	-	1,438	1,397	4,117	6,337	5,834	8,504	10,222	11,667	22,855	49
Kenai	5,834	5,375	6,064	7,427	6,852	8,802	6,887	8,087	7,619	7,865	16,184	51
Ketchikan	7,755	6,278	6,899	7,580	6,398	8,374	7,284	7,867	7,925	9,073	13,690	34
Soldotna	2,304	3,758	4,364	6,014	5,814	7,703	5,916	6,635	7,927	10,005	13,040	23
Kodiak	4,892	4,511	4,619	5,070	4,425	5,845	4,947	5,271	5,715	6,691	11,176	40
Homer	2,096	2,427	2,778	3,127	2,701	4,556	3,597	4,092	4,472	5,129	9,840	48
Sitka	2,870	2,688	3,046	3,138	3,003	3,558	3,284	3,622	3,727	4,169	6,270	34
Seattle	836	1,981	2,707	3,004	2,871	3,439	3,382	4,373	4,837	4,976	4,500 d/	-11 d/
Delta Junction	1,692	1,831	2,154	2,109	1,959	2,600	2,100	2,536	2,582	2,834	4,315	34
Seward	1,383	1,329	1,577	1,645	1,743	2,299	1,618	1,754	1,933	2,238	4,195	47
Valdez	1,096	1,937	2,904	3,359	1,918	2,257	2,141	2,250	2,236	2,634	4,014	34
Glennallen	1,009	1,721	2,152	2,202	2,002	2,242	1,677	1,929	1,800	2,007	3,355	40
Petersburg	1,737	1,409	2,016	952	2,006	2,090	1,858	2,022	1,952	2,327	2,825	18
Cordova	1,070	1,118	1,080	1,081	1,101	1,540	1,201	1,342	1,392	1,596	2,613	39
Bethel	396	1	283	624	559	713	0	0	0	0	2,336	100
Haines	1,416	1,396	1,246	2,108	1,363	1,481	1,244	1,416	1,550	1,693	2,230	24
Nome	844	1,193	977	1,280	1,065	1,178	1,158	1,223	1,074	1,284	1,994	36
Tok	918	1,340	1,106	1,281	1,204	1,172	1,119	1,128	1,062	1,119	1,717	35
Vehicle Types:												
Passenger	135,902	141,019	153,143	171,058	168,738	159,918	161,936	185,942	217,719	251,776	274,232	8
Pickup	54,683	60,226	68,222	72,853	72,623	75,287	76,330	88,973	106,851	128,249	130,727	2
Trailer	25,918	25,733	27,593	30,392	30,606	27,842	27,334	30,237	37,999	43,261	46,585	7
Commercial Truck	11,676	17,114	18,215	24,692	21,953	16,368	9,199	13,281	19,361	21,399	33,520	36
Commercial Trailer	5,621	7,804	8,165	11,510	7,154	7,091	6,994	9,178	10,079	13,886	16,671	17
Bus	857	1,136	1,300	1,091	868	1,134	1,138	1,298	1,357	1,730	1,815	5
Snowmobile	7,173	4,414	4,152	3,797	3,539	4,618	1,102	2,522	NA	NA	NA	NA
Other c/	17,748	16,257	14,583	14,279	12,736	9,842	8,888	10,206	14,504	15,087	15,094	0

a/ Includes mailout program.
b/ Includes mailouts for partial year only.
c/ Includes motorcycles.
d/ Estimate.

Source: Data for 1974-1978 were obtained from the Alaska Statistical Review 1980, Department of Commerce and Economic Development. Data from 1979-1983 are compiled by zip code location, Department of Public Safety, Division of Motor Vehicles.

Table M.8

Alaska Railroad Operations

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
					(thousands of dollars)					
Revenues:										
Operating Revenue	41,416	52,517	33,376	27,440	23,100	26,737	40,782	55,445	52,397	57,916
Non-Operating Revenue	871	1,161	1,646	1,651	2,081	2,155	3,159	3,352	3,697	4,236
Total Revenues	42,287	53,678	35,022	29,091	25,181	28,892	43,941	58,797	56,094	62,152
Expenses:										
Operating Expenses	35,883	49,387	35,703	33,301	31,285	34,380	40,358	48,978	52,993	59,955
Non-Operating Expenses	272	191	255	213	204	344	273	258	277	363
Total Expenses	36,155	49,578	35,958	33,514	31,489	34,724	40,631	49,236	53,270	60,318
Gain (Loss)										
Before Depreciation - Cash Flow	8,513	6,628	2,186	(1,227)	(3,089)	(2,306)	6,567	13,274	7,228	6,658
After Depreciation	6,132	4,100	(936)	(4,423)	(6,308)	(5,832)	3,310	9,561	2,824	1,834
Capital Expenditures	2,772	8,602	8,316	5,823	8,181	6,893	11,409	11,821	16,348	12,097
					(revenue tons) a/					
Major Commodity Revenue Tons a/										
Sand and Gravel	1	104	700	727	637	396	1,797	2,754	4,398	6,537
Bulk Petroleum	557	624	532	374	220	252	379	439	462	498
Coal	584	607	550	593	524	590	653	654	626	642
Piggyback	95	114	100	100	89	92	113	122	98	139
Manufacturers & Misc.	625	739	423	384	338	411	420	534	434	456
Total Revenue Tons	1,862	2,188	2,305	2,178	1,808	1,741	3,362	4,503	6,018	8,272
					(number)					
Passengers	81,000	84,500	103,632	126,277	151,045	150,678	161,068	175,116	211,359	230,897

Note: The Federal Government changed its fiscal year (FY) from July 1-June 30 to October 1-September 30 beginning in FY 1977, resulting in a transition quarter in 1976. To avoid a 15 month fiscal year for comparisons, these figures use July 1, 1975, through June 30, 1976, as FY 1976, and October 1, 1976, through September 30, 1977, as FY 1977, dropping the transition quarter.

a/ Revenue tons refer to commodities for which the Alaska Railroad Corporation receives payment.

Source: Alaska Railroad Operations Summary, Alaska Railroad Corporation.

N. HOUSING

FIGURES

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Figure N.1

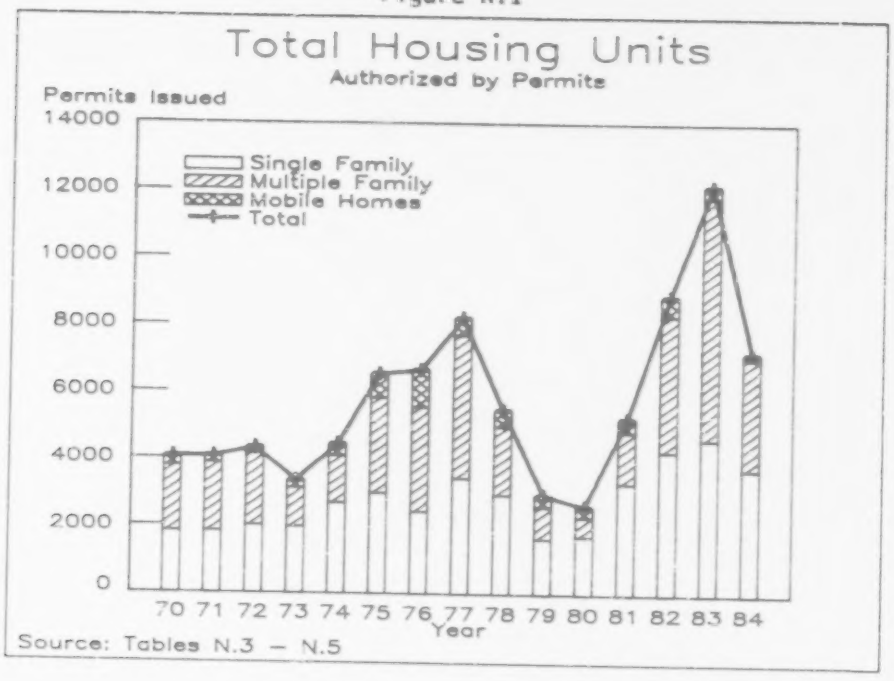


Figure N.2

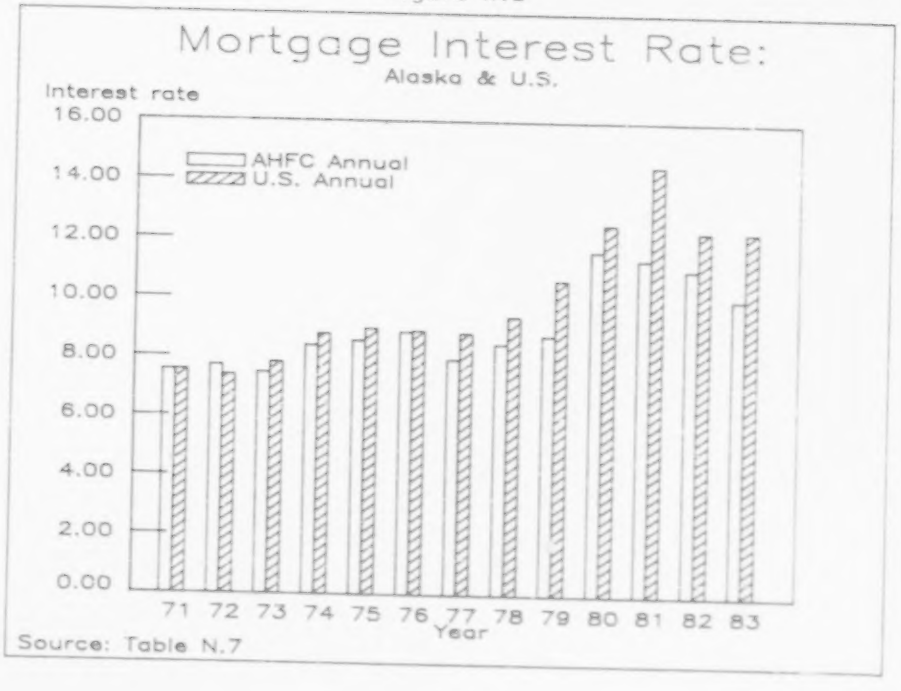
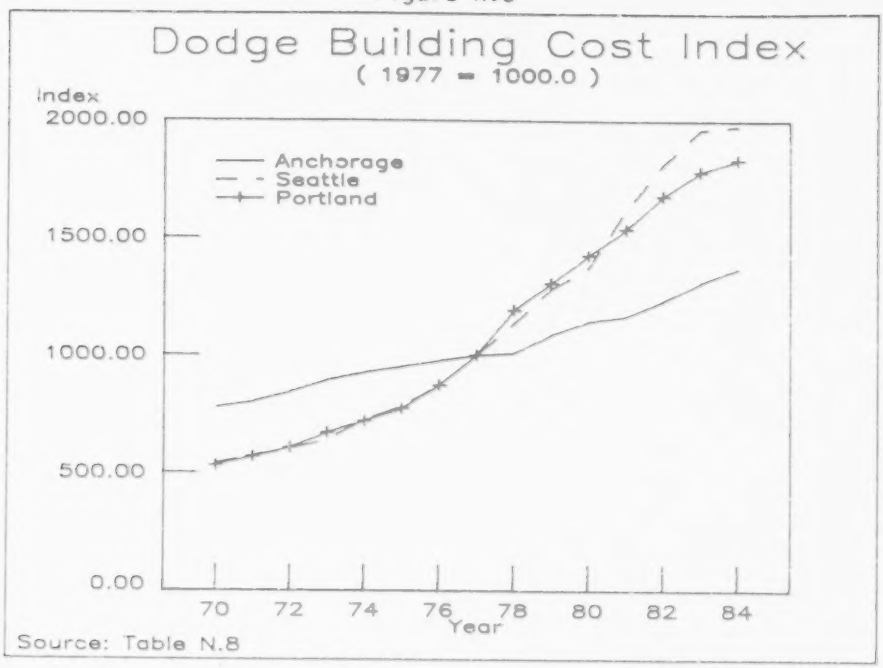


Figure N.3



Source: Table N.8

Table N.1

Housing Characteristics by Census Area
1980 Census

Census Area	Total Units	Change (%) 1970-1980	Percent of Year-Round Units		Median Rent ($)	Median Value ($)	Percent of Occupied Units					
			Single	Five or More			Owner Occupied	Type of Heating Gas	Elec.	Fuel	Lacks Plumbing Facilities	Over Crowding a/
Aleutian Islands	1,704	NA	57.0	11.0	285	48,900	29.3	4.0	5.1	83.9	8.8	13.9
Anchorage	70,363	86.8	43.9	27.2	374	89,100	56.5	72.4	18.5	7.1	1.4	4.4
Bethel	3,297	NA	81.9	7.5	299	20,500	65.1	.5	1.6	84.9	71.0	52.8
Bristol Bay	396	72.4	77.1	9.8	409	41,400	48.4	6.1	-	93.9	22.0	13.4
Dillingham	1,952	NA	81.6	8.5	403	29,100	64.9	.5	1.2	94.9	44.1	36.2
Fairbanks North Star	22,708	81.4	46.7	31.1	353	66,000	51.3	2.3	12.1	62.2	8.5	7.5
Haines	743	NA	59.7	19.2	310	49,100	65.4	-	.7	74.8	18.0	11.0
Juneau	7,656	69.0	49.6	22.7	414	84,300	63.2	2.1	8.3	84.3	3.7	5.1
Keni Peninsula	11,740	93.4	62.7	10.3	343	63,500	71.3	31.8	23.6	30.6	11.5	11.1
Ketchikan Gateway	4,431	35.7	47.2	22.4	374	72,600	57.1	11.5	5.0	72.0	3.7	6.8
Kobuk	1,486	NA	77.7	11.1	455	35,700	61.2	1.6	2.9	84.6	47.1	50.3
Kodiak Island	3,557	40.1	57.4	16.9	443	69,000	54.4	1.6	4.4	87.7	8.9	12.8
Matanuska-Susitna	10,098	139.2	73.7	6.7	333	67,900	78.2	3.5	32.9	37.4	14.4	11.9
Nome	2,608	53.4	80.5	10.2	385	29,100	52.3	1.1	2.0	87.0	59.3	37.2
North Slope	1,158	NA	75.2	15.7	364	45,900	46.5	60.6	2.7	35.1	78.6	41.8
Prince of Wales	1,385	37.5	65.1	3.6	256	37,400	56.4	4.2	9.2	64.5	10.3	16.1
Sitka	2,694	NA	41.7	10.3	415	87,400	52.9	1.4	6.4	82.0	3.9	9.1
Skagway-Yakutat-Angoon	1,553	NA	74.3	5.1	315	54,100	58.0	.4	2.2	87.6	17.3	14.9
Southeast Fairbanks	2,450	NA	57.5	24.0	307	24,300	51.2	6.0	5.8	53.8	26.7	20.2
Valdez-Cordova	4,145	NA	42.2	22.2	399	74,100	60.7	2.0	2.9	82.5	17.9	12.2
Wade-Hampton	1,173	70.0	94.4	1.7	296	18,800	82.5	-	3.7	69.0	76.5	61.2
Wrangell-Petersburg	2,363	NA	62.6	8.2	320	60,000	63.9	1.4	1.6	83.6	8.8	9.4
Yukon-Koyukuk	3,192	NA	83.0	5.6	245	19,900	65.6	1.5	1.8	45.8	64.7	33.5
ALASKA	162,825	79.3	52.0	22.1	368	75,200	58.3	37.1	14.4	38.3	10.4	10.1
U.S.	88,411,263	28.7	65.9	17.8	243	47,300	64.4	58.7	18.6	18.2	2.2	4.5

a/ With 1.01 persons or more per room.

Source: County and City Data Book 1983, Bureau of the Census.

Table N.2

Assessed and Estimated Value of Taxable Property in Alaska
Within Incorporated and Unincorporated Areas

Calendar Year	Incorporated Cities and Boroughs						Incorporated & Unincorporated Areas' Total Estimated Value a/
	Real Property Value		Personal Property Value		Total Property Value		
	Assessed	Estimated	Assessed	Estimated	Assessed	Estimated	
	(thousands of dollars)						
1974	3,818,230	4,065,529	647,548	766,348	4,465,778	4,831,877	4,853,272
1975	5,129,358	5,411,408	851,577	1,042,302	5,980,936	6,453,710	6,673,611
1976	5,265,931	5,632,696	1,168,995	1,414,657	6,434,926	7,047,353	11,679,515
1977	6,587,765	6,886,720	1,438,483	1,720,478	8,026,248	8,607,198	17,102,463
1978	8,076,829	8,487,482	1,234,709	1,767,986	9,311,627	10,255,100	21,344,148
1979	9,618,146	11,011,807	1,370,860	2,035,561	10,989,006	13,047,368	25,003,955
1980	10,803,583	12,552,630	1,524,761	2,207,338	12,332,919	14,759,968	26,927,538
1981	11,975,112	13,722,022	1,650,796	2,887,631	13,625,907	16,609,654	29,780,286
1982	14,491,271	17,400,070	1,729,485	3,414,086	16,220,702	20,814,158	35,226,939
1983	17,581,167	18,858,759	2,044,556	4,313,748	19,646,851	22,964,831	39,090,395
1984	19,695,483	21,646,012	2,790,383	4,758,517	22,485,867	26,404,529	45,009,768
Percent Change 83-84	12.0	15.0	36.4	10.3	14.5	15.0	15.1

a/ Includes oil and gas property.

Source: Alaska Taxable 1984, Department of Community and Regional Affairs, Division of Local Government Assistance.

Table N.3

Total Housing Units Authorized by Building Permits & Public Contracts
In Selected Alaska Urban Areas a/

Year	Anchorage	Cordova	Fairbanks	Homer	Juneau	Kenai	Ketchikan	Kodiak	Palmer	Petersburg	Seldovia	Seward	Sitka	Soldotna	Valdez b/	Wrangell	Total Units c/
								(number)									
1970	3,000 d/	0	675	6	157	17	94	20 d/	19	11	1	8	18	11	1	3	4,041
1971	3,050 d/	0	513	13	221	23	147	23	15	7	3	8	19	4	0	5	4,051
1972	2,951	2	555	12	441	22	119	93	9	2	1	39	41	16	6	6	4,315
1973	2,086	7	595	17	274	13	178	31	2	14	8	1	82	11	6	8	3,333
1974	2,822	66	841	37	122	25	107	43	7	27	7	4	104	37	161	16	4,426
1975	4,010	19	1,710	13	154	100	107	143	8	17	5	3	64	87	85	10	6,535
1976	3,938	9	1,584	60	281	161	121	74	72	1	13	11	136	138	39	14	6,652
1977	4,877	12	1,561	117	429	267	178	241	75	14	8	39	161	177	33	9	8,198
1978	3,289	14	806	94	351	160	107	258	125	27	9	36	104	69	14	6	5,469
1979	1,469	29	431	130	356	47	130	50	68	25	22	50	61	40	29	6	2,943
1980	1,397	61	384	55	308	40	106	73	23	18	4	2	68	30	32	5	2,606
1981	3,432	14	706	46	491	46	161	64	4	44	1	2	108	56	56	10	5,241
1982	6,767	13	644	79	551	104	257	172	78	19	3	14	53	82	35	19	8,890
1983	9,259	28	792	109	910	243	309	132	70	32	5	36	77	162	25	30	12,219
1984	4,767	1	953	174	529	188	124	140	75	40	10	35	73	95	10	6	7,220
Percent Change 83-84	-48.5	-96.4	21.0	59.6	-41.9	-22.6	-59.9	6.1	7.1	25.0	100.0	-2.8	-5.2	-41.4	-60.0	-80.0	-41.0

a/ Includes mobile homes, additions & conversions where reported. Includes combined city and borough areas for Anchorage, Fairbanks, Juneau, Ketchikan, Kodiak & Sitka.
b/ Excludes mobile homes brought into the area in 1974-1977.
c/ Total for 16 areas only for which complete data are available.
d/ Estimated.

Source: Alaska Housing Report: Fourth Quarter 1984, Alaska Department of Commerce and Economic Development, Economic Analysis Section.

Table N.4

Single Family Housing Units Authorized by Building Permits & Public Contracts
In Selected Alaska Urban Areas a/

Year	Anch-orage	Cor-dova	Fair-banks	Ho-mer	Jun-eau	Ke-nai	Ket chi-kan	Ko-diak	Pal-mer	Pet-ers-burg	Sel-dov-ia	Sew-ard	Sit-ka	Sol-dot-na	Val-dez	Wran-gell	Total Units a/
								(number)									
1970	1,400 b/	0	242	4	51	17	34	20 b/	19	7	1	8	14	11	1	3	1,832
1971	1,385 b/	0	224	9	82	23	52	19	10	7	3	2	17	4	0	5	1,842
1972	1,445	2	263	9	114	22	69	25	9	2	1	3	31	16	2	4	2,017
1973	1,402	7	298	15	102	13	41	25	0	10	8	1	34	11	6	6	1,979
1974	1,798	35	500	10	66	25	57	43	7	12	5	4	42	21	51	12	2,688
1975	1,827	16	679	13	114	54	52	36	8	14	3	3	38	63	65	8	2,993
1976	1,269	6	513	33	179	96	36	63	26	1	11	8	78	95	7	12	2,433
1977	1,955	5	641	68	305	84	70	53	55	9	8	21	57	99	9	3	3,442
1978	1,492	4	576	42	285	104	59	161	89	20	8	12	26	56	14	5	2,953
1979	588	4	388	40	273	43	68	39	62	23	4	4	44	40	24	6	1,650
1980	897	6	345	29	173	36	66	36	23	16	4	2	48	26	20	5	1,732
1981	2,100	4	538	39	264	43	96	48	4	16	1	2	61	56	32	10	3,314
1982	3,083	9	462	42	128	78	138	76	74	17	2	9	40	68	20	14	4,260
1983	3,468	12	315	81	180	122	135	61	62	20	4	12	41	25	20	4	4,562
1984	2,615	1	327	61	272	104	69	88	67	21	10	6	35	35	6	6	3,723
Percent Change 83-84	-25	-92	4	-25	51	-15	-49	44	8	5	150	-50	-15	40	-70	50	-18

a/ Total for 16 areas only for which complete data are available.
b/ Estimated.

Source: Alaska Housing Report: Fourth Quarter 1984, Alaska Department of Commerce and Economic Development, Economic Analysis Section.

Table N.5

Multiple Family Housing Units Authorized by Building Permits & Public Contracts
In Selected Alaska Urban Areas a/

Year	Anchorage	Cordova	Fairbanks	Homer	Juneau	Kenai	Ketchikan	Kodiak	Palmer	Petersburg	Seldovia	Seward	Sitka	Soldotna	Valdez	Wrangell	Total Units
								(number)									
1970	1,600 b/	0	202	2	106	0	20	0	0	4	0	0	4	0	0	0	1,938
1971	1,665 b/	0	124	3	139	0	74	4	5	0	0	6	2	0	0	0	2,022
1972	1,506	0	176	2	291	0	37	68	0	0	0	36	10	0	4	2	2,132
1973	684	0	148	2	143	0	119	6	2	4	0	0	32	0	0	2	1,142
1974	1,024	31	94	25	36	0	18	0	0	15	2	0	28	16	110	4	1,403
1975	2,183	3	372	0	30	26	40	107	0	0	2	0	19	24	20	2	2,828
1976	2,216	0	485	27	99	58	73	10	46	0	2	3	27	41	32	2	3,121
1977	2,502	7	920	36	120	179	86	169	20	4	0	18	83	75	24	5	4,248
1978	1,426	0	221	29	46	44	36	87	36	1	0	24	71	12	0	0	2,033
1979	639	22	31	79	35	0	54	7	6	0	18	46	15	0	3	0	955
1980	301	23	32	14	91	0	28	31	0	0	0	0	18	3	12	0	553
1981	1,005	0	162	2	196	0	52	8	0	26	0	0	46	0	24	0	1,521
1982	3,198	2	165	36	391	22	103	62	4	0	0	4	12	14	15	4	4,032
1983	5,505	16	473	26	670	120	144	64	8	12	0	24	35	64	4	24	7,189
1984	2,010	0	622	113	250	80	44	43	8	15	0	29	34	59	4	0	3,311
Percent Change 83-84	-63	-100	32	335	-63	33	-69	-33	0.0	25	0	21	-3	-8	0	-100	-54

a/ Total for 16 areas only for which complete data are available.
b/ Estimated.

Source: Alaska Housing Report: Fourth Quarter 1984, Alaska Department of Commerce and Economic Development, Economic Analysis Section.

Table N.6

Alaska Housing Finance Corporation's Loan Profile

All Units

Year	Total Applications Number	Total Applications Loan (000 $'s)	Total Approvals Number	Total Approvals Loan (000 $'s)	Units Authorized By Permits	Average a/ Loan Amount (dollars)
1980 b/	4,013	315,122	4,013	315,122	1,722	78,525
1981	10,312	859,907	10,291	858,344	5,241	83,407
1982	12,174	936,249	10,422	797,733	8,890	76,543
1983	16,124	1,436,298	13,784	1,313,372	12,219	95,282
1984	11,295	1,112,250	9,572	951,030	7,214	99,355

All Units Excluding Mobile Homes

1980 b/	3,683	307,397	3,683	307,397	1,520	83,464
1981	9,249	832,876	9,233	831,451	4,860	90,052
1982	10,170	875,117	8,619	743,656	8,325	86,281
1983	14,058	1,362,111	12,021	1,250,905	11,899	104,060
1984	10,151	1,065,409	8,675	914,629	7,165	105,433

a/ Average Loan Amount is the total approved loan amount divided by the total number of approved applications (col.5/col.4).
b/ 1980 data consist of the last half of 1980.

Sources: Selected Corporation and Program Information, Alaska Housing Finance Corporation, February 1985; AHFC Monthly Cutoff Report; the Alaska Department of Commerce and Economic Development Computerized Building Permit System.

Table N.7

Mortgage Interest Rates of
the Alaska Housing Finance Corporation and the U.S.

Year	Mortgage Interest Rate				Percent Change		
	AHFC FY a/	AHFC Annual a/	U.S. Annual	Difference Annual	AHFC FY	AHFC Annual	U.S. Annual
		(percent)				(percent)	
1971	-	7.54	7.54	0.00	-	-	-
1972	-	7.71	7.38	0.33	-	2.3	-2.1
1973	-	7.47	7.82	-0.35	-	-3.1	6.0
1974	-	8.40	8.78	-0.38	-	12.5	12.3
1975	-	8.56	8.97	-0.41	-	1.9	2.2
1976	-	8.86	8.90	-0.04	-	3.5	-0.7
1977	-	7.95	8.83	-0.88	-	-10.2	-0.7
1978	-	8.47	9.40	-0.93	-	6.6	6.5
1979	-	8.76	10.63	-1.87	-	3.5	13.1
1980	-	11.62	12.53	-0.91	-	32.7	17.9
1981	9.89	11.36	14.51	-3.15	-	-2.2	15.8
1982	11.43	11.02	12.30	-1.28	15.6	-3.0	-15.2
1983	10.73	10.02	12.30	-2.28	-6.1	-9.0	0
1984	10.09				-5.9		
1985	11.17	NA	NA	NA	NA	NA	NA

a/ The weighted average Alaska Housing Finance Corporation (AHFC) mortgage interest rate on a fiscal year basis was obtained from AHFC. The annual rate was estimated as the weighted average of the pooled interest rates, using the nominal dollar values of all bonds issued within a given year. Since AHFC was not yet founded in 1971 the U.S. mortgage interest rate was used for Alaska. In 1974 there were no bonds issued by AHFC; in that year an estimate was used for the AHFC interest rate, based on the AHFC-U.S. interest rate differentials of adjacent years.

Sources: For the U.S. annual data, Survey of Current Business, U.S. Department of Commerce, Bureau of Economic Analysis.

For the Alaska annual data, Alaska Housing Report: Third Quarter 1984, Alaska Department of Commerce and Economic Development. For the Alaska fiscal year data, the Alaska Housing Finance Corporation.

Table N.8

Dodge Building Cost Index for Selected Metropolitan Areas a/

Year b/	Building Cost Index (1977 index is 1000)			Percent Increase in Index (percent)		
	Anchorage	Seattle	Portland	Anchorage	Seattle	Portland
1970	776.7	538.2	531.0	-	-	-
1971	801.6	574.1	569.4	3.2	6.7	7.3
1972	843.9	601.3	607.1	5.3	4.8	6.7
1973	893.8	643.4	671.2	6.0	7.0	10.6
1974	926.5	725.2	720.8	3.7	12.8	7.4
1975	950.8	782.7	772.1	2.7	8.0	7.2
1976	976.2	871.1	872.1	2.7	11.3	13.0
1977	1,000.0	1,000.0	1,000.0	2.5	14.8	14.7
1978	1,009.3	1,135.2	1,192.8	1.0	13.6	19.3
1979	1,087.6	1,282.5	1,307.7	7.8	13.0	9.7
1980	1,143.6	1,373.4	1,424.7	5.2	7.1	9.0
1981	1,165.2	1,616.8	1,537.2	1.9	17.8	7.9
1982	1,231.3	1,814.9	1,679.2	5.7	12.3	9.3
1983	1,309.7	1,962.7	1,783.9	6.4	8.2	6.3
1984	1,369.3	1,979.0	1,835.1	4.6	0.9	2.9

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a/ The Building Cost Index is constructed from a) prices paid by buildiers for basic materials available from local retail stores and b) wage rates prevailing locally for building tradesmen. The data are weighted to reflect the impact of these basic cost components on the overall cost of a typical building, which is a composite of different residential and nonresidential building types.

b/ Indices are for March of each year.

Source: Dodge Building Cost Indexes for U.S. & Canadian Cities, McGraw Hill Cost Information Systems, New Jersey.

O. SELECTED UNITED STATES TABLES

TABLES

Table O.1 U.S. Nominal and Real Income Summary Table
Table O.2 U.S. Wage and Salary Disbursements by Industry
Table O.3 U.S. Average Annual Nonagricultural Wage and Salary Employment
Table O.4 U.S. Wage and Salary Disbursements per Employee by Industry

Table 0.1

U.S. Nominal and Real Income Summary Table

	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Nominal Value:											
Total Earnings (billions of dollars)	640	904	955	1,054	1,171	1,321	1,476	1,594	1,749	1,827	1,944
Net Earnings (")	612	856	904	998	1,110	1,251	1,395	1,505	1,644	1,715	1,824
Total Personal Income (")	804	1,162	1,259	1,385	1,535	1,726	1,943	2,157	2,420	2,576	2,734
Disposable Personal Inc. (")	689	993	1,091	1,190	1,309	1,468	1,643	1,821	2,033	2,173	2,331
Per Capita Personal Inc. (dollars)	3,945	5,448	5,842	6,367	6,984	7,772	8,651	9,494	10,544	11,113	11,658
Per Capita Dis. Per. Inc. (")	3,382	4,655	5,063	5,468	5,957	6,611	7,314	8,016	8,859	9,374	9,962
U.S. CPI: (1967=100)	116.30	147.70	161.20	170.50	181.50	195.40	217.40	246.80	272.40	289.10	298.40
Real Value (1983 dollars):											
Total Earnings (billions of dollars)	1,642	1,826	1,768	1,845	1,925	2,017	2,026	1,927	1,916	1,886	1,944
Net Earnings (")	1,570	1,729	1,673	1,747	1,825	1,910	1,915	1,820	1,801	1,770	1,824
Total Personal Income (")	2,063	2,348	2,331	2,424	2,524	2,636	2,667	2,608	2,651	2,659	2,734
Disposable Personal Inc. (")	1,768	2,006	2,020	2,083	2,152	2,242	2,255	2,202	2,227	2,243	2,331
Per Capita Personal Inc. (dollars)	10,122	11,007	10,814	11,143	11,482	11,869	11,874	11,479	11,550	11,470	11,658
Per Capita Dis. Per. Inc. (")	8,677	9,405	9,372	9,570	9,794	10,096	10,039	9,692	9,705	9,676	9,962
Annual Percent Change of Nominal:											
Total Earnings	-	7.75	5.64	10.37	11.10	12.81	11.73	7.99	9.72	4.45	6.40
Net Earnings	-	7.54	5.61	10.40	11.22	12.70	11.51	7.89	9.24	4.32	6.36
Total Personal Income	-	9.73	8.35	10.01	10.83	12.44	12.57	11.01	12.19	6.45	6.13
Disposable Personal Income	-	9.24	9.87	9.07	10.00	12.15	11.92	10.83	11.64	6.89	7.27
Per Capita Personal Inc.	-	8.74	7.23	8.99	9.69	11.28	11.31	9.74	11.06	5.40	4.90
Per Capita Disp. Per. Inc.	-	8.21	8.76	8.00	8.94	10.98	10.63	9.60	10.52	5.81	6.27
Annual Percent Change of Real:											
Total Earnings	-	-2.90	-3.21	4.35	4.37	4.78	.43	-4.87	-.59	-1.57	3.09
Net Earnings	-	-3.09	-3.24	4.38	4.48	4.69	.23	-4.97	-1.03	-1.71	3.04
Total Personal Income	-	-1.12	-.73	4.01	4.11	4.44	1.18	-2.21	1.65	.30	2.83
Disposable Personal Income	-	-1.56	.67	3.12	3.33	4.17	.60	-2.37	1.15	.71	3.93
Per Capita Personal Inc.	-	-2.01	-1.75	3.04	3.04	3.37	.05	-3.33	.62	.63	1.63
Per Capita Disp. Per. Inc.	-	-2.49	-.34	2.11	2.34	3.08	-.56	-3.46	.13	-.30	2.96

Sources: Income data from the Regional Economic Information System, U.S. Department of Commerce, Bureau of Economic Analysis. CPI data from the Survey of Current Business, U.S. Department of Commerce.

Table 0.2

U.S. Wage and Salary Disbursements by Industry

Industry	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
					(millions of current dollars)						
Total Wages & Salaries	541,831	760,084	800,828	884,487	978,273	1,101,738	1,233,291	1,351,644	1,487,702	1,562,534	1,650,057
Mining	5,799	8,827	10,823	12,172	13,911	16,373	19,550	23,746	29,638	31,004	27,380
Construction	33,211	46,002	44,998	48,463	53,495	62,604	72,195	75,666	79,723	79,018	80,439
Manufacturing	158,173	211,388	211,045	237,423	265,956	299,234	333,880	354,578	385,599	383,094	395,629
Trans. Comm. & Util.	40,395	57,122	59,529	66,093	73,657	83,572	94,400	103,254	1,136,280	119,105	123,300
Trade	89,897	127,440	136,108	150,487	165,808	187,119	208,951	227,460	247,989	259,726	275,330
Wholesale Trade	33,813	49,323	54,608	59,783	66,091	75,031	85,710	95,071	105,129	110,062	114,215
Retail Trade	56,084	78,117	81,500	90,704	99,717	112,068	123,241	132,389	142,860	149,664	161,115
F.I.R.E.	27,627	39,831	42,546	46,883	52,353	60,004	68,544	78,511	88,323	97,901	109,756
Services & Misc.	71,100	106,409	117,124	130,539	145,389	166,685	191,174	219,119	249,447	276,592	303,462
Government	110,171	155,026	170,138	182,789	196,957	213,980	230,650	254,070	277,404	298,312	316,508
State & Local	67,504	99,914	111,699	120,971	130,672	142,316	154,732	170,680	184,451	198,740	210,751
Federal Civilian	28,308	37,480	40,533	43,466	46,722	51,055	54,355	59,531	64,560	67,356	71,207

Source: Regional Economic Information System, U.S. Department of Commerce, Bureau of Economic Analysis.

Table 0.3

U.S. Average Annual Nonagricultural Wage and Salary Employment

Industry	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Total	70,879	78,265	76,944	79,382	82,472	86,699	89,824	90,405	91,157	89,567	90,139
Mining	623	697	752	779	813	851	958	1,027	1,139	1,128	957
Construction	3,588	4,020	3,525	3,576	3,851	4,229	4,463	4,346	4,188	3,905	3,940
Manufacturing	19,367	20,077	18,323	18,997	19,682	20,505	21,040	20,285	20,170	18,781	18,497
Trans. Comm. & Util.	4,515	4,725	4,542	4,582	4,713	4,923	5,136	5,146	5,165	5,082	4,958
Trade	15,040	16,987	17,060	17,755	18,516	19,542	20,193	20,310	20,547	20,457	20,804
Wholesale Trade	3,993	4,433	4,415	4,546	4,708	4,969	5,204	5,275	5,358	5,278	5,259
Retail Trade	11,548	12,554	12,645	13,209	13,808	14,573	14,989	15,035	15,189	15,179	15,545
Finance Ins. & Real Es.	3,645	4,148	4,165	4,271	4,467	4,724	4,975	5,160	5,298	5,341	5,467
Services & Misc.	11,047	13,441	13,892	14,551	15,303	16,252	17,112	17,890	18,619	19,036	19,665
Government	12,553	14,170	14,685	14,871	15,127	15,673	15,947	16,241	16,031	15,837	15,851
State	2,664	3,039	3,179	3,273	3,377	3,474	3,541	3,610	3,640	3,640	3,660
Local	7,158	8,407	8,758	8,865	9,023	9,446	9,633	9,765	9,619	9,458	9,439
Federal Civilian	2,731	2,724	2,748	2,733	2,727	2,753	2,773	2,866	2,772	2,739	2,752

Source: Department of Labor, Bureau of Labor Statistics.

Table 0.4

U.S. Wage and Salary Disbursements per Employee by Industry

Industry	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
			(current dollars)								
Total Wages and Salaries	7,644	9,712	10,408	11,142	11,862	12,708	13,730	14,951	16,320	17,445	18,306
Mining	9,308	12,664	14,392	15,625	17,111	19,240	20,407	23,122	26,021	27,486	28,610
Construction	9,256	11,443	12,765	13,552	13,891	14,803	16,176	17,410	19,036	20,235	20,416
Manufacturing	8,167	10,529	11,518	12,498	13,513	14,593	15,869	17,480	19,117	20,398	21,389
Trans. Comm. & Util.	8,947	12,089	13,106	14,424	15,628	16,976	18,380	20,065	219,996	23,437	24,869
Trade	5,977	7,502	7,978	8,476	8,955	9,575	10,348	11,199	12,069	12,696	13,234
Wholesale Trade	8,468	11,126	12,369	13,151	14,036	15,100	16,470	18,023	19,621	20,853	21,718
Retail Trade	5,077	6,222	6,445	6,867	7,222	7,691	8,222	8,805	9,405	9,860	10,364
F.I.R.E.	7,579	9,602	10,215	10,977	11,720	12,702	13,778	15,215	16,671	18,330	20,076
Services & Misc.	6,157	7,917	8,431	8,971	9,501	10,256	11,172	12,248	13,397	14,530	15,432
Government	8,776	10,940	11,586	12,292	13,020	13,653	14,464	15,644	17,304	18,836	19,968
State & Local	6,873	8,729	9,357	9,966	10,538	11,015	11,745	12,761	13,911	15,173	16,089
Federal Civilian	10,365	13,759	14,750	15,904	17,133	18,545	19,602	20,771	23,290	24,591	25,875

Source: Tables 0.2 and 0.3.

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